VOLUME 2

APPENDIX X1

ERI ENERGY THESAURUS

Compiled by Y. Blomkamp

CONTENTS

INTRODUCTION

Objectives

Although numerous dictionaries of energy terms are available, and there are other thesauri on specific aspects of energy, for example, coal, biomass, nuclear energy, there are few comprehensive energy thesauri. So far, no energy thesaurus applicable to South Africa, has been published. It was found that energy terms in the U.S. Department of Energy's Energy Data Base: Subject Thesaurus are used in a different context to South Africa. The United Kingdom in turn, used terms in a different context to the United States.

In order for there to be effective cooperation between information centres engaged in the collection, storage and dissemination of energy-related information in South Africa, a need was perceived for the definition and standardisation of the terms and concepts used in the energy field. In recognition of this need, the CSIR provided funds for a year to develop an energy thesaurus relevant to South Africa.

As the Energy Research Institute at the University of Cape Town had the most developed energy information system in South Africa at the time, the vocabulary from the Institute's energy database was used as the base from which the thesaurus was constructed. The database contained information considered to be most representative of the main areas of research in the energy field in South Africa. Compilation was undertaken with the assistance and cooperation of the research staff at the Institute.

The core area of the thesaurus is the energy field as a whole, with an emphasis on energy technology, energy research and development, energy sources, energy resources and reserves, and energy utilisation. A special emphasis is placed on alternative energy, which includes appropriate technology and alternative fuels.

The fringe areas of the thesaurus are economics, engineering, and air pollution.

The thesaurus has been designed for use mainly in a computerised information system, although it could be made available for use in a manual system. In a computerised system, it is hoped that, built into the system, it could be used for reference as an online aid to both indexers and searchers. It must be emphasised that this will not exclude the use of natural or free language in searching. Thus the thesaurus can be used as a guide if and when required.

Methodology

Some 440 terms were finally selected as the core of the thesaurus. The terms selected as suitable descriptors were checked in various existing sources, namely:

* Thesaurus of Engineering and Scientific Terms (TEST)
* Root Thesaurus
* Energy Data Base: Subject Thesaurus (U.S. Dept of Energy)
* IEA Biomass Thesaurus
* IEA Coal Thesaurus
* Lexicon of terms relating to the assessment and classification of coal resources/ By A.H.J. Todd
* Energy Terminology: A multilingual glossary. 2nd Ed. /Comp. by the World Energy Conference
* Energy Dictionary/ By V.D. Hunt
* Dictionary of Energy/ Ed. by M. Slesser
* Mineral resources of the Republic of South Africa. 5th Ed. /Ed. by C.B. Coetzee

Free language terms from the literature and the users have also been included.

The terms selected from existing thesauri and free language were evaluated by the researchers involved in specific areas of energy research at the Energy Research Institute. Other factors taken into consideration in the selection process were:

* the usefulness of the term for communication, indexing and searching purposes
* in how many of the above sources the terms appeared
* the acceptability of the technical meaning of the terms by the subject experts in the field

The thesaurus contains a total of 1645 terms, broken down as follows:

Index vocabulary	1154
Entry vocabulary	336
Combination terms	4
Appendix A	131
Appendix B	20

Thesaurus Structure

The thesaurus construction techniques used are based on various international and national standards, such as, ISO 2788-1986 and BSI 5723-1979, Guidelines for the establishment and development of monolingual thesauri.

Techniques used in the construction of TEST, BSI's Root Thesaurus and the IEA thesauri were examined and applied where necessary.

The alphabetisation of the thesaurus follows a word-by-word order.

As one of the purposes of a thesaurus is to facilitate information retrieval, it indicates preferred and non-preferred terms, and clearly defines hierarchical and associative relationships. The DESCRIPTOR is the term selected as the entry term. The USE reference refers from a synonymous (non-preferred) term to the preferred term. This reference is reciprocal.

In this thesaurus, there are also COMBINATION TERMS (CT), which instruct the user as to which terms should be combined in order to retrieve the relevant information. For example, when searching for information on coal-generated electricity, the thesaurus will instruct the user as follows:

*****COAL-GENERATED ELECTRICITY

CT COAL
+ POWER GENERATION

Where necessary, a DEFINITION (DEF) of a term is included, and a SCOPE NOTE (SN).

Hierarchical relationships between terms are indicated by means of reference to the BROADER TERM (BT) and NARROWER TERM (NT), both of which are reciprocal. More than one hierarchical level is shown where considered necessary and useful to the searcher.

Associative relationships between descriptors that are conceptually rather than hierarchically related are shown by means of the RELATED TERM (RT). These are also reciprocal terms.

A typical thesaurus entry is as follows:

Descriptor		*****NUCLEAR ENERGY
Definition	DEF	Energy created by the fission process using uranium or plutonium, or by the fusion process using deuterium or tritium
Used for	UF	ATOMIC ENERGY
Combination Term	CT	+ POWER GENERATION
Broader Term	BT	ALTERNATIVE ENERGY
Narrower Term	NT	NUCLEAR FISSION
	NT	NUCLEAR FUSION
Related Term	RT	NUCLEAR POWER

The thesaurus also contains two appendices: Appendix A contains Geographic Names and Appendix B Corporate Bodies. These terms may be used separately or in combination with terms from the main body of the thesaurus. For example,

ENERGY CONSUMPTION AND W EUROPE

ELECTRICITY PRICES AND ESKOM

REFERENCES

1. BIOMASS Thesaurus/Prepared by the Information Technology Group of the Institute for Industrial Research and Standards
Dublin:Institute for Industrial Research and Standards, 1984

2. Root Thesaurus. 2v.
London:British Standards Institution, 1981

3. COAL Data Base Thesaurus
London:IEA Coal Research, 1983

4. DICTIONARY of Energy/Ed. by M. Slesser
London:MacMillan Press, 1982

5. ENERGY Data Base: Subject Thesaurus. 5th Rev.Ed.
Oak Ridge:U.S. Department of Energy, 1981

6. HUNT V D. Energy Dictionary
New York:Van Nostrand Reinhold, 1979

7. MINERAL Resources of the Republic of South Africa. 5th ed./Ed. by C.B. Coetzee
S.L.:Department of Mines, 1976

8. THESAURUS of Engineering and Scientific Terms
New York:Engineers Joint Council, 1969

9. TODD A H J. Lexicon of Terms Relating to the Assessment and Classification of Coal Resources
London:Graham & Trotman, 1982

10. WORLD ENERGY CONFERENCE. Energy Terminology: A Multilingual Glossary. 2nd ed.
London:Pergaman Press, 1986

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EXPLANATION OF THE SYMBOLS USED IN THE THESAURUS

DEF Definition of the term (Descriptor)

SN Scope Note. This is used only when it is necessary to clarify the meaning of the term

UF Used For. A synonym for the preferred term, referring the user of the thesaurus to the term which should be used. In other words, the UF term is the non-preferred term from which reference is made

USE A reference which indicates the preferred term in the thesaurus

CT Combination Terms. If a concept is represented by a combination of desciptors, the thesaurus will instruct the user as to which terms should be combined to retrieve the relevant information

BT Broader Term. This indicates a generically broader term in the hierarchical structure of the thesaurus

NT Narrower Term. A more specific term, one level lower in the hierarchy. It is the reciprocal of the BT. Where necessary, more than one hierarchical level is shown if useful to the searcher/indexer

RT Related Term. This shows an associate relationship to the main term, but is not generically related

*****A C

USE ALTERNATING CURRENT

*****ABNORMAL COMBUSTION

DEF COMBUSTION PHENOMENON THAT DEVIATES FROM THE USUAL PREFERRED MODE OF COMBUSTION IN THE SPARK IGNITION ENGINE
SN SPARK IGNITION ENGINES
UF UNCONTROLLED COMBUSTION
BT COMBUSTION
NT ANTI KNOCK
NT BULK QUENCH
NT DETONATION
NT KNOCK
NT MISFIRE
NT PINKING
RT AUTO IGNITION
RT COMBUSTION CHAMBERS
RT NORMAL COMBUSTION
RT PRE IGNITION
RT SURFACE IGNITION
RT SWIRL
RT TURBULENCE

*****ABRASION

BT ENGINE WEAR
RT BENEFICIATION
RT COAL GRINDING
RT WEAR

*****ABRASIVENESS

SN COAL
RT COAL ANALYSIS
RT COAL COMPOSITION
RT COAL PROPERTIES

*****ABSORBERS (SOLAR)

USE SOLAR ABSORBERS

*****ACCELERATION

DEF THE RATE OF CHANGE OF SPEED WITH TIME
SN INTERNAL COMBUSTION ENGINES
RT ACCELERATOR PUMPS
RT DRIVEABILITY
RT DRIVING CYCLES
RT INERTIA

*****ACCELERATOR PUMPS

SN ENGINES
BT CARBURETTORS

*****ACETALDEHYDE

UF ETHANAL
BT ALDEHYDES

*****ACETYLENES

USE ALKYNES

*****ACID DEPOSITION

NT ACID RAIN

*****ACID HYDROLYSIS

BT HYDROLYSIS
RT ALKALINE HYDROLYSIS
RT CELLULOSE HYDROLYSIS
RT ENZYMATIC HYDROLYSIS

*****ACID RAIN

DEF A COMBINATION OF RAIN AND NOX/SO2 EMISSIONS CAUSING SEVERE DESTRUCTION OF VEGETATION
BT ACID DEPOSITION
RT ACID SMUTS
RT AIR POLLUTION
RT NITROGEN OXIDES
RT PHOTOCHEMICAL SMOG
RT PLUMES
RT SULPHUR DIOXIDE

*****ACID SMUTS

DEF COMBINATIONS OF ACID AND SOOT EMITTED BY FOSSIL-FUELLED POWER PLANTS
UF ACIDIC PARTICULATES
RT ACID RAIN
RT AIR POLLUTION
RT NITROGEN OXIDES
RT SOOT
RT SULPHUR DIOXIDE

*****ACIDIC PARTICULATES

USE ACID SMUTS

*****ACRALDEHYDE

USE ACROLEIN

*****ACROLEIN

UF ACRALDEHYDE
UF ACRYLIC ALDEHYDE
UF PROPENAL
BT ALDEHYDES

*****ACRYLIC ALDEHYDE

USE ACROLEIN

*****ACTIVE SOLAR HEATING

DEF A SOLAR HEATING SYSTEM WHICH USES SPECIALISED EQUIPMENT TO COLLECT, STORE AND DISTRIBUTE SOLAR HEAT IN A CONTROLLED MANNER
BT SOLAR HEATING
RT ACTIVE SOLAR HOUSES
RT SOLAR SPACE HEATING

*****ACTIVE SOLAR HOUSES

BT SOLAR HOUSES
RT ACTIVE SOLAR HEATING

*****ACTIVE SOLAR SYSTEMS

DEF ANY SOLAR SYSTEM THAT NEEDS MECHANICAL MEANS, SUCH AS, MOTORS, PUMPS, VALVES, ETC, TO OPERATE
RT SOLAR COLLECTORS

*****ADMINISTRATION

USE MANAGEMENT

*****ADVANCED GAS COOLED REACTORS

DEF SECOND GENERATION OF BRITISH GAS COOLED REACTORS DEVELOPED FROM THE FIRST GENERATION MAGNOX REACTORS
BT GAS COOLED REACTORS
NT MAGNOX REACTORS
RT GAS COOLED GRAPHITE MODERATED REACTORS

*****AEROBIC DIGESTERS

BT DIGESTERS
RT AEROBIC DIGESTION

*****AEROBIC DIGESTION

BT WASTE PROCESSING
RT AEROBIC DIGESTERS

*****AERODYNAMICS

BT FLUID MECHANICS
RT WIND TUNNELS

*****AEROGENERATORS

RT WIND ENERGY CONVERSION SYSTEMS

*****AFBC

USE ATMOSPHERIC FLUIDISED BEDS

*****AFFORESTATION

RT FORESTRY
RT FORESTS
RT FUELWOOD
RT WOODLOTS

*****AFTERCOOLERS

USE INTERCOOLERS

*****AGGREGATIVE FLUIDISATION

BT FLUIDISATION
RT BUBBLING FLUIDISED BEDS
RT CIRCULATING FLUIDISED BEDS
RT PARTICULATE FLUIDISATION

*****AGRICULTURAL RESIDUES

UF AGRICULTURAL WASTES
BT BIOMASS
BT ORGANIC WASTES
BT RURAL ENERGY
BT WASTES
NT CROP RESIDUES
NT DUNG
RT BIOFUELS
RT DIGESTERS

*****AGRICULTURAL WASTES

USE AGRICULTURAL RESIDUES

*****AGRICULTURE

NT ENERGY FARMING

*****AGRISILVICULTURE

USE AGROFORESTRY

*****AGROFORESTRY

UF AGRISILVICULTURE
BT FORESTRY
RT ENERGY CROPS
RT ENERGY FARMING
RT WOODLOTS

*****AIR BLAST INJECTION

RT FUEL INJECTION

*****AIR CONDITIONERS

NT SOLAR AIR CONDITIONERS
NT SOLAR ASSISTED AIR CONDITIONERS
RT AIR CONDITIONING
RT HEATING
RT SPACE HVAC SYSTEMS

*****AIR CONDITIONING

NT SOLAR AIR CONDITIONING
RT AIR CONDITIONERS
RT SPACE HEATING
RT SPACE HVAC SYSTEMS

*****AIR CORRECTION JETS

SN ENGINES
BT CARBURETTORS

*****AIR FILTERS

SN ENGINES
RT CARBURETTORS

*****AIR FUEL RATIO

SN INTERNAL COMBUSTION ENGINES
UF MIXTURE STRENGTH
RT CARBURETTORS
RT COMBUSTION
RT EQUIVALENCE RATIO
RT FUEL ECONOMY
RT FUEL EFFICIENCY
RT FUELS
RT STRATIFIED CHARGE ENGINES

*****AIR HEAT EXCHANGERS

BT HEAT EXCHANGERS
RT RECUPERATORS

*****AIR HEATERS

NT LJUNGSTROM HEATERS
NT SOLAR AIR HEATERS
RT AIR HEATING
RT ENERGY CONSERVATION
RT ENERGY RECOVERY
RT HEAT
RT HEATING
RT RECUPERATIVE HEATERS
RT REGENERATIVE HEATERS
RT REGENERATORS

*****AIR HEATING

BT HEATING
RT AIR HEATERS

*****AIR POLLUTION

BT POLLUTION
RT ACID RAIN
RT ACID SMUTS
RT AIR POLLUTION CONTROL
RT AIR QUALITY
RT EMISSIONS
RT FLUE GASES
RT FLY ASH
RT MOTOR VEHICLE EMISSIONS
RT NITROGEN OXIDES
RT PARTICULATES
RT PLUMES
RT POLYCYCLIC AROMATIC HYDROCARBONS
RT POWER STATION EMISSIONS
RT SMOG
RT SMOKE
RT SOOT
RT SULPHUR DIOXIDE
RT WOOD BURNING STOVES

*****AIR POLLUTION CONTROL

BT POLLUTION CONTROL
RT AIR POLLUTION
RT BAGHOUSES
RT ELECTROSTATIC PRECIPITATORS
RT EMISSION CONTROL DEVICES
RT EMISSIONS
RT MOTOR VEHICLE EMISSIONS
RT POWER STATION EMISSIONS
RT SCRUBBERS

*****AIR QUALITY

RT AIR POLLUTION

*****AIR TRANSPORTATION

BT TRANSPORTATION
RT PASSENGER TRANSPORTATION

*****AIRCRAFT FUELS

BT FUELS
RT AUTOMOTIVE FUELS

*****ALCOHOL FERMENTATION

BT BIOCHEMICAL PROCESSES
BT FERMENTATION
RT STILLAGE

*****ALCOHOL FUELS

DEF FUELS DERIVED FROM THE CHEMICAL GROUP CALLED ALCOHOLS
BT ALTERNATIVE FUELS
BT FUELS
NT BUTYL ALCOHOL
NT ETHANOL
NT METHANOL
NT PROPYL ALCOHOL
RT ALCOHOL FUELS CONSUMPTION
RT ALDEHYDES
RT GASOHOL
RT TRANSPORT FUELS

*****ALCOHOL FUELS CONSUMPTION

BT FUEL CONSUMPTION
RT ALCOHOL FUELS

*****ALDEHYDES

BT HYDROCARBONS
BT MOTOR VEHICLE EMISSIONS
BT OXYGENATED HYDROCARBONS
BT UNBURNED FUEL
NT ACETALDEHYDE
NT ACROLEIN
NT FORMALDEHYDE
RT ALCOHOL FUELS
RT AUTO IGNITION
RT BUTYL ALCOHOL
RT KETONES
RT PROPYL ALCOHOL

*****ALKALINE HYDROLYSIS

BT HYDROLYSIS
RT ACID HYDROLYSIS
RT CELLULOSE HYDROLYSIS
RT ENZYMATIC HYDROLYSIS

*****ALKANES

UF PARAFFINS
BT HYDROCARBONS
NT METHANE
NT OCTANE
NT PARAFFIN
NT PROPANE

*****ALKENES

UF OLEFINS
BT HYDROCARBONS

*****ALKINES

USE ALKYNES

*****ALKYNES

UF ACETYLENES
UF ALKINES
BT HYDROCARBONS

*****ALTERNATE FUELS

USE ALTERNATIVE FUELS

*****ALTERNATING CURRENT

DEF ELECTRICITY GENERATED IN SUCH A WAY THAT THE VOLTAGE IN THE SYSTEM CHANGES POLARITY IN A REGULAR FASHION RESULTING IN A PERIODIC REVERSAL OF THE DIRECTION OF ELECTRON FLOW IN A CONDUCTOR
UF A C
BT ELECTRICITY
RT DIRECT CURRENT
RT SINE WAVE

*****ALTERNATIVE ENERGY

DEF ENERGY SOURCES AND SYSTEMS THAT COULD SUPPLANT OR SUBSTITUTE FOR TRADITIONAL FOSSIL FUEL SUPPLIES
UF ALTERNATIVE ENERGY CONVERSION PROCESSES
UF ALTERNATIVE ENERGY SOURCES
UF ALTERNATIVE ENERGY TECHNOLOGY
UF NON-CONVENTIONAL ENERGY
NT BIOENERGY
NT GEOTHERMAL ENERGY
NT HYDROELECTRIC POWER
NT NUCLEAR ENERGY
NT OCEAN ENERGY
NT RENEWABLE ENERGY
NT SOLAR ENERGY
NT TIDAL POWER
NT WAVE ENERGY
NT WIND ENERGY
RT ALTERNATIVE FUELS
RT APPROPRIATE TECHNOLOGY
RT ENERGY CONVERSION

*****ALTERNATIVE ENERGY CONVERSION PROCESSES

USE ALTERNATIVE ENERGY

*****ALTERNATIVE ENERGY SOURCES

USE ALTERNATIVE ENERGY

*****ALTERNATIVE ENERGY TECHNOLOGY

USE ALTERNATIVE ENERGY

*****ALTERNATIVE FUELS

UF ALTERNATE FUELS
UF FUEL ALTERNATIVES
UF FUEL SUBSTITUTES
UF SUBSTITUTE FUELS
BT FUELS
NT ALCOHOL FUELS
NT BIOFUELS
NT COAL DERIVED FUELS
NT HYDROGEN FUELS
NT SYNTHETIC FUELS
NT VEGETABLE OILS
NT WASTE DERIVED FUELS
RT ALTERNATIVE ENERGY
RT BLENDS
RT DISTILLATION
RT FUEL SUBSTITUTION
RT SASOL FUELS
RT TRANSPORT FUELS

*****ALTERNATORS

RT ELECTRICITY GENERATION

*****ALUMINIUM-AIR BATTERIES

BT BATTERIES

*****AMMONIA STEAM CYCLE

BT BINARY CYCLE

*****AMORPHOUS SILICON CELLS

BT PHOTOVOLTAICS

*****AMYLASE

BT ENZYMES
RT HYDROLYSIS

*****ANAEROBIC DIGESTERS

BT DIGESTERS
RT ANAEROBIC DIGESTION

*****ANAEROBIC DIGESTION

UF MICROBIAL PROCESSES
BT BIOCHEMICAL PROCESSES
BT BIOCONVERSION
BT WASTE PROCESSING
RT ANAEROBIC DIGESTERS
RT BIOGAS
RT DUNG
RT METHANE

*****ANALYSIS (THERMAL)

USE THERMAL ANALYSIS

*****ANGULAR MOMENTUM

SN ENGINES
BT SWIRL

*****ANHYDROUS ETHANOL

USE ETHANOL

*****ANIMAL DRIVEN PUMPS

SN APPROPRIATE TECHNOLOGY
BT PUMPS
RT ANIMAL POWER
RT SOLAR PUMPS

*****ANIMAL POWER

DEF USEFUL POWER DERIVED FROM ANIMALS HARNESSED TO WORK
UF DRAUGHT POWER
BT RENEWABLE ENERGY
NT DRAUGHT ANIMALS
RT ANIMAL DRIVEN PUMPS
RT CARTS
RT PLOUGHS
RT RURAL ENERGY
RT RURAL TRANSPORTATION
RT TRACTION

*****ANIMAL WASTES

USE DUNG

*****ANNILINE

BT ANTI KNOCK

*****ANTHRACITE

DEF COAL WITH A VOLATILE MATTER CONTENT ON A DRY ASH-FREE BASIS OF NOT MORE THAN 12,5%
BT COAL
BT FOSSIL FUELS
NT META-ANTHRACITE
NT SEMI-ANTHRACITE
RT BITUMINOUS COAL
RT COAL RANK
RT LIGNITE
RT PEAT
RT SUB-BITUMINOUS COAL

*****ANTI KNOCK

DEF CHEMICAL OR PHYSICAL EFFECTS THAT SUPPRESS THE TENDENCY FOR KNOCKING
SN SPARK IGNITION ENGINES
BT ABNORMAL COMBUSTION
NT ANNILINE
NT CHARGE COOLING
NT COMPRESSION RATIO
NT LEAD
NT SQUISH
NT TETRA ETHYL LEAD
NT TIMING
RT OCTANE
RT PERFORMANCE NUMBERS
RT PRO KNOCK
RT SWIRL
RT TURBULENCE

*****ANTI KNOCK ADDITIVES

USE OCTANE IMPROVERS

*****ANTI OXIDANTS

UF OXIDATION INHIBITORS
BT FUEL ADDITIVES

*****ANTI STOKES RAMAN SPECTROSCOPY

BT ROTATIONAL RAMAN SPECTROSCOPY
NT COHERENT ANTI STOKES RAMAN SPECTROSCOPY
RT STOKES RAMAN SPECTROSCOPY

*****APPARATUS

USE EQUIPMENT

*****APPROPRIATE ENERGY TECHNOLOGY

USE APPROPRIATE TECHNOLOGY

*****APPROPRIATE TECHNOLOGY

DEF MOST COMMONLY UNDERSTOOD AS THOSE TECHNOLOGIES WHICH MEET THE BASIC NEEDS OF DEVELOPING AREAS IN A COST EFFECTIVE AND ENVIRONMENTALLY SOUND MANNER
SN ENERGY
UF APPROPRIATE ENERGY TECHNOLOGY
UF INTERMEDIATE TECHNOLOGY
UF NEW ENERGY TECHNOLOGIES
RT ALTERNATIVE ENERGY
RT DEVELOPING COUNTRIES
RT RENEWABLE ENERGY
RT RURAL ENERGY
RT UNDERDEVELOPED AREAS

*****AROMATIC COMPOUNDS

USE AROMATICS

*****AROMATICS

UF AROMATIC COMPOUNDS
BT ORGANIC COMPOUNDS
NT BENZENE
NT POLYCYCLIC AROMATIC HYDROCARBONS
RT HYDROCARBONS

*****ASH

DEF INORGANIC (UNCOMBUSTIBLE) RESIDUE ASSOCIATED WITH SOLID FUEL COMBUSTION
NT COAL ASH
NT FLY ASH
RT COAL
RT COAL GASIFICATION
RT FOULING
RT INCINERATION
RT SLAGGING
RT SOLID FUELS

*****ASH FUSION TEMPERATURE

BT COAL ANALYSIS
BT COAL PROPERTIES
RT COAL COMPOSITION

*****ASH-AGGLOMERATING GASIFIERS

BT GASIFIERS

*****ASSOCIATED GAS

BT NATURAL GAS

*****ATMOSPHERIC FLUIDISED BED COMBUSTION

USE ATMOSPHERIC FLUIDISED BEDS

*****ATMOSPHERIC FLUIDISED BEDS

DEF COMBUSTION EQUIPMENT BASED ON FLUIDISATION OF FEEDSTOCK AND INERT MATRIX
UF AFBC
UF ATMOSPHERIC FLUIDISED BED COMBUSTION
BT CHEMICAL REACTORS
BT FLUIDISED BEDS
NT BUBBLING FLUIDISED BEDS
RT COAL COMBUSTION
RT ENTRAINMENT
RT ELUTRIATION
RT PRESSURISED FLUIDISED BEDS

*****ATOMIC ENERGY

USE NUCLEAR ENERGY

*****ATOMIC POWER

USE NUCLEAR POWER

*****AUDITS

NT ENERGY AUDITS

*****AUTO IGNITION

DEF A PHENOMENON OF SPONTANEOUS SELF-IGNITION OF A MIXTURE OF AIR AND FUEL UNDER CONDITIONS OF TEMPERATURE AND PRESSURE ALONE
SN SPARK IGNITION ENGINES
UF SELF IGNITION
BT IGNITION
NT COMBUSTION CENTRES
RT ABNORMAL COMBUSTION
RT ALDEHYDES
RT DETONATION
RT END GAS
RT KNOCK
RT PEROXIDES
RT PINKING
RT RAPID COMPRESSION MACHINES

*****AUTOMOTIVE FUELS

BT FUELS
BT TRANSPORT FUELS
NT COMPRESSED NATURAL GAS
NT DIESEL FUELS
NT ETHANOL
NT HYDROGEN FUELS
NT LIQUEFIED NATURAL GAS
NT LIQUEFIED PETROLEUM GAS
NT METHANE
NT METHANOL
NT PETROL
NT SASOL FUELS
RT AIRCRAFT FUELS
RT BLENDS

*****AVIATION SPIRIT

USE PETROL

*****BAGASSE

DEF FIBROUS RESIDUE REMAINING AFTER SUGARCANE HAS BEEN CRUSHED TO YIELD JUICE
BT CROP RESIDUES
BT ORGANIC WASTES
RT BIOENERGY
RT CELLULASE
RT CELLULOSE
RT HYDROLYSIS
RT SUGAR CANE

*****BAGHOUSES

RT AIR POLLUTION CONTROL

*****BATTERIES

SN ELECTRICAL ENERGY STORAGE DEVICES
UF ELECTRIC BATTERIES
UF SECONDARY BATTERIES
UF STORAGE BATTERIES
UF VOLTAIC CELLS
BT ENERGY STORAGE
NT ALUMINIUM-AIR BATTERIES
NT LEAD-ACID BATTERIES
NT SODIUM-SULPHUR BATTERIES
RT BATTERY VEHICLES
RT ELECTRIC VEHICLES
RT HYBRID VEHICLES

*****BATTERY VEHICLES

BT ELECTRIC VEHICLES
BT ROAD TRANSPORTATION
BT VEHICLES
RT BATTERIES
RT ENERGY STORAGE
RT FUEL CELLS
RT HYBRID VEHICLES

*****BEARING KNOCK

SN ENGINES
BT ENGINE NOISE

*****BENCH TESTING

USE ENGINE TESTING

*****BENEFICIATION

DEF COMMINUTION TECHNIQUE USED IN MINERAL PROCESSING TO UPGRADE ORE QUALITY
BT COAL HANDLING
BT COMMINUTION
BT ORE DRESSING
NT COAL WASHING
NT DENSE MEDIUM SEPARATION
NT FLOTATION
RT ABRASION
RT CRUSHING
RT GRINDING
RT SIEVING
RT SIZE GRADATION
RT TAILINGS
RT WEAR

*****BENZENE

BT AROMATICS
BT HYDROCARBONS

*****BETZ LIMIT

RT WIND ENERGY

*****BICYCLES

BT ROAD TRANSPORTATION
BT VEHICLES

*****BINARY CYCLE

DEF A THERMODYNAMIC POWER CYCLE EMPLOYING TWO FLUIDS FOR THE GENERATION OF POWER
UF BOTTOMING CYCLES
UF TOPPING CYCLES
BT THERMODYNAMIC CYCLES
NT AMMONIA STEAM CYCLE
NT MERCURY STEAM CYCLE
RT RANKINE CYCLE
RT REGENERATIVE CYCLE
RT REHEAT CYCLE

*****BIOCHEMICAL PROCESSES

BT BIOCONVERSION
NT ALCOHOL FERMENTATION
NT ANAEROBIC DIGESTION
NT CELLULOSE HYDROLYSIS

*****BIOCONVERSION

DEF THE TRANSFORMATION OF BIOMASS BY BIOLOGICAL PROCESSES , INTERALIA, INTO USEFUL FORMS OF ENERGY, KNOWN AS BIOFUELS
UF BIOCONVERSION TECHNOLOGY
UF BIOMASS ENERGY CONVERSION
UF MICROBIAL PROCESSES
BT ENERGY CONVERSION
NT ANAEROBIC DIGESTION
NT BIOCHEMICAL PROCESSES
NT DIRECT COMBUSTION
NT FERMENTATION
NT THERMOCHEMICAL PROCESSES
RT BIOMASS

*****BIOCONVERSION TECHNOLOGY

USE BIOCONVERSION

*****BIOENERGY

DEF ENERGY DERIVED FROM BIOMASS
UF BIOMASS ENERGY
BT ALTERNATIVE ENERGY
BT ENERGY SOURCES
NT BIOFUELS
RT BAGASSE

*****BIOFUELS

BT ALTERNATIVE FUELS
BT BIOENERGY
BT BIOMASS
BT ENERGY SOURCES
BT FUELS
NT BIOGAS
NT ETHANOL
NT METHANOL
NT WOOD
RT AGRICULTURAL RESIDUES
RT ENERGY CROPS
RT ENERGY FARMING

*****BIOGAS

UF GOBAR GAS
UF LANDFILL GAS
UF MARSH GAS
BT BIOFUELS
BT RURAL ENERGY
RT ANAEROBIC DIGESTION
RT BIOGAS PLANTS
RT CARBON DIOXIDE
RT DIGESTERS
RT METHANE

*****BIOGAS DIGESTERS

USE BIOGAS PLANTS

*****BIOGAS PLANTS

UF BIOGAS DIGESTERS
BT DIGESTERS
NT GOBAR GAS PLANTS
RT BIOGAS

*****BIOMASS

DEF RENEWABLE ORGANIC MATTER PRODUCED BY PHOTOSYNTHESIS
BT RENEWABLE ENERGY
BT SOLAR ENERGY
NT AGRICULTURAL RESIDUES
NT BIOFUELS
NT PLANTS
NT WOOD
RT BIOCONVERSION
RT CELLULOSE
RT DEFORESTATION
RT ENERGY CROPS
RT ENERGY FARMING
RT FUELWOOD
RT FORESTS
RT GASIFICATION
RT SUGARS
RT TREES

*****BIOMASS ENERGY

USE BIOENERGY

*****BIOMASS ENERGY CONVERSION

USE BIOCONVERSION

*****BITUMINOUS COAL

DEF COAL THAT HAS A VOLATILE MATTER CONTENT ON A DRY ASH-FREE BASIS OF NOT LESS THAN 16,5%
BT COAL
BT FOSSIL FUELS
RT ANTHRACITE
RT COAL GASIFICATION
RT COAL RANK
RT COAL VOLATILES
RT COKING COAL
RT LIGNITE
RT PEAT
RT STEAM COAL
RT SUB-BITUMINOUS COAL

*****BLACK CHROME

BT SELECTIVE SURFACES
RT SOLAR ABSORBERS

*****BLACK NICKEL

BT SELECTIVE SURFACES
RT SOLAR ABSORBERS

*****BLENDS

DEF A MIXTURE OF FUELS OR OILS HAVING DIFFERENT PROPERTIES TO OBTAIN A FINAL BLEND HAVING THE DESIRED CHARACTERISTICS. THE FUELS MUST BE PERFECTLY SOLUBLE
SN ALTERNATIVE FUELS
UF EMERGENCY FUELS
UF MIXTURES (FUELS)
NT ETHANOL PETROL BLENDS
NT METHANOL PETROL BLENDS
RT ALTERNATIVE FUELS
RT AUTOMOTIVE FUELS
RT DUAL FUEL ENGINES
RT EMULSIONS
RT MULCHES
RT SASOL FUELS
RT SLURRY FUELS

*****BOATS

BT MARINE TRANSPORTATION
RT SHIPS

*****BOILERS

DEF A DEVICE FOR GENERATING STEAM GENERALLY AT HIGH TEMPERATURES AND PRESSURES
UF STEAM GENERATORS
NT FLUIDISED BED BOILERS
NT MULTIFUEL BOILERS
NT WASTE HEAT BOILERS
RT BOILING
RT FURNACES
RT POWER STATIONS
RT PROCESS HEAT
RT RECUPERATORS
RT STEAM COAL

*****BOILING

RT BOILERS
RT HEATING

*****BOILING POINT

SN FUELS
BT REID VAPOUR PRESSURE
BT VAPORISERS
BT VOLATILITY

*****BOILING WATER REACTORS

DEF A NUCLEAR REACTOR USING WATER AS A MODERATOR AND COOLANT AND IN WHICH THE WATER IS ALLOWED TO BOIL ON THE FUEL RODS
UF BWR
BT LIGHT WATER REACTORS
BT WATER COOLED REACTORS

*****BOOST PRESSURE

BT SUPERCHARGING
BT TURBOCHARGERS

*****BORD AND PILLAR MINING

BT COAL MINING
BT UNDERGROUND MINING
RT LONGWALL MINING
RT OPENCAST MINING
RT STRIP MINING

*****BOSCH UNITS

RT PARTICULATES

*****BOTTOMING CYCLES

USE BINARY CYCLE

*****BRAKE TESTING

USE DYNAMOMETER TESTING

*****BRAYTON CYCLE

DEF A THERMODYNAMIC CYCLE BASED ON A GAS TURBINE
BT THERMODYNAMIC CYCLES
NT CLOSED CYCLE
NT OPEN CYCLE
RT GAS TURBINES
RT POWER GENERATION

*****BREEDER REACTORS

DEF A REACTOR WHICH USES A FERTILE MATERIAL SUCH AS THORIUM WHICH IS CONVERTED INTO A FISSILE MATERIAL BY THE ABSORPTION OF NEUTRONS
BT FAST REACTORS
BT NUCLEAR REACTORS
NT FAST BREEDER REACTORS
RT BREEDING RATIO

*****BREEDING RATIO

DEF A PARAMETER DESCRIBING THE EFFECTIVENESS OF A NUCLEAR REACTOR FOR PRODUCING NEW FISSILE MATERIAL. IT IS THE NUMBER OF ATOMS OF NEW FISSILE FUEL PRODUCED PER ATOM OF FISSILE FUEL USED IN THE REACTOR
RT BREEDER REACTORS

*****BRIQUETTED FUELS

BT SOLID FUELS
RT BRIQUETTES
RT WASTE DERIVED FUELS

*****BRIQUETTES

RT BRIQUETTED FUELS
RT FOSSIL FUELS

*****BROWN COAL

USE LIGNITE

*****BUBBLING FLUIDISED BEDS

BT ATMOSPHERIC FLUIDISED BEDS
BT CHEMICAL REACTORS
BT FLUIDISED BEDS
BT PRESSURISED FLUIDISED BEDS
RT AGGREGATIVE FLUIDISATION
RT CIRCULATING FLUIDISED BEDS
RT DENSE PHASE CONVEYING
RT LEAN PHASE CONVEYING
RT LIQUID FLUIDISED BEDS

*****BUDGETS

RT COSTS
RT ECONOMICS
RT FINANCE

*****BUILDINGS

UF STRUCTURES (BUILDINGS)
NT GREENHOUSES
NT HOSPITALS
NT HOUSES
NT LOW ENERGY BUILDINGS
NT PASSIVE SOLAR BUILDINGS
NT SOLAR BUILDINGS
RT HEAT GAIN
RT LOW ENERGY HOUSES
RT SOLAR SPACE HEATING

*****BULK QUENCH

BT ABNORMAL COMBUSTION

*****BULK SOLIDS HANDLING

RT COAL HANDLING

*****BURNING

USE COMBUSTION

*****BUSES

SN VEHICLES
BT PASSENGER TRANSPORTATION
BT ROAD TRANSPORTATION
BT VEHICLES
NT TROLLEY BUSES

*****BUTANOL

USE BUTYL ALCOHOL

*****BUTYL ALCOHOL

DEF SPECIES OF ALCOHOL MOLECULES CONTAINING FOUR CARBON ATOMS
SN FUELS
UF BUTANOL
BT ALCOHOL FUELS
BT OXYGENATED HYDROCARBONS
NT PRIMARY BUTYL ALCOHOL
NT SECONDARY BUTYL ALCOHOL
NT TERTIARY BUTYL ALCOHOL
RT ALDEHYDES
RT HYDROCARBONS

*****BWR

USE BOILING WATER REACTORS

*****CADMIUM SELENIDE CELLS

BT PHOTOVOLTAICS

*****CADMIUM TELLURIDE CELLS

BT PHOTOVOLTAICS

*****CAHORA BASSA SCHEME

DEF A HYDROELECTRIC SCHEME WHICH OPERATES BETWEEN MOZAMBIQUE AND SOUTH AFRICA
RT HYDROELECTRIC POWER

*****CALANDRIA TUBES

RT CANDU REACTORS

*****CALORIFIC VALUE

DEF THE ENERGY RELEASE WHEN A FUEL IS COMPLETELY BURNT
UF HEATING VALUE
BT COAL ANALYSIS
BT COAL PROPERTIES
NT GROSS CALORIFIC VALUE
NT HIGHER CALORIFIC VALUE
NT LOWER CALORIFIC VALUE
NT NET CALORIFIC VALUE
RT CALORIMETERS
RT COAL
RT COAL COMPOSITION
RT COMBUSTION
RT FUELS
RT FUELWOOD

*****CALORIMETERS

DEF A LABORATORY DEVICE FOR MEASURING THE HEAT CONTENT OF A SAMPLE
RT CALORIFIC VALUE

*****CAMEL PUMPS

BT PUMPS
BT SOLAR PUMPS

*****CANDU REACTORS

DEF A CANADIAN DESIGNED REACTOR SYSTEM USING HEAVY WATER AS A MODERATOR WITH THE FUEL ELEMENTS IN PRESSURE TUBES PASSING THROUGH THE MODERATOR
BT HEAVY WATER REACTORS
RT CALANDRIA TUBES

*****CANNEL COAL

USE OIL SHALES

*****CANNEL SHALE

USE OIL SHALES

*****CAPE LOW ENERGY EXPERIMENT HOUSE PROJECT

USE LOW ENERGY HOUSES

*****CAPITAL

RT COSTS
RT ECONOMICS
RT FINANCE

*****CARBON DIOXIDE

UF CO2
BT CARBON OXIDES
BT MOTOR VEHICLE EMISSIONS
RT BIOGAS
RT PARTICULATES
RT POLYCYCLIC AROMATIC HYDROCARBONS
RT UNBURNED FUEL

*****CARBON MONOXIDE

DEF TOXIC GAS FORMED DURING INCOMPLETE COMBUSTION
SN AIR POLLUTION
UF CO
BT CARBON OXIDES
BT MOTOR VEHICLE EMISSIONS
RT CARBON DIOXIDE
RT DISSOCIATED METHANOL
RT POLYCYCLIC AROMATIC HYDROCARBONS
RT UNBURNED FUEL

*****CARBON OXIDES

NT CARBON DIOXIDE
NT CARBON MONOXIDE

*****CARBONISATION

BT DECOMPOSITION
BT THERMOCHEMICAL PROCESSES
NT COGAS PROCESS
NT COKE
NT FLASH HYDROPYROLYSIS
RT CHARCOAL
RT COKE OVENS
RT WOOD GAS
RT WOOD GASIFICATION
RT WOOD GASIFIERS

*****CARBURETTORS

DEF A DEVICE TO CONTROL AND REGULATE THE QUANTITY AND QUALITY OF AIR AND FUEL
SN SPARK IGNITION ENGINES
NT ACCELERATOR PUMPS
NT AIR CORRECTION JETS
NT CHOKE
NT FLOAT CHAMBERS
NT IDLING JETS
NT MAIN JETS
NT POWER/ECONOMY JETS
NT THROTTLE
NT VENTURI
RT AIR FUEL RATIO
RT AIR FILTERS
RT FUEL INJECTION
RT MANIFOLDS
RT SPARK IGNITION ENGINES

*****CARNOT CYCLE

RT RANKINE CYCLE

*****CARS

USE COHERENT ANTI STOKES RAMAN SPECTROSCOPY

*****CARTS

SN RURAL ENERGY
RT ANIMAL POWER
RT RURAL TRANSPORTATION

*****CASSAVA

DEF STARCH-RICH TUBEROUS PLANT
UF MANDIOCA
UF MANIHOT ESCULENTA
UF MANIOC
UF TAPIOCA
UF YUCA
BT ENERGY CROPS
BT PLANTS
RT ETHANOL
RT FERMENTATION
RT FOOD
RT STARCHES

*****CASTOR OIL

BT VEGETABLE OILS

*****CASUARINA

BT TREES

*****CAT CRACKING

USE CATALYTIC CRACKING

*****CATALYSIS

RT COAL GASIFICATION
RT COAL LIQUEFACTION
RT FIXED BEDS

*****CATALYSTS

RT CATALYSIS
RT FIXED BEDS

*****CATALYTIC CRACKING

DEF A PETROLEUM REFINERY PROCESS WHICH CONVERTS HEAVY DISTILLATES (E.G. SLACK WAX AND HEAVY GAS OIL) INTO LIGHTER, VOLATILE FRACTIONS SUITABLE FOR BLENDING INTO GASOLINE
UF CAT CRACKING
BT CRACKING
BT THERMOCHEMICAL PROCESSES
NT FLUIDISED CATALYTIC CRACKING
NT THEMOFOR CATALYTIC CRACKING
RT HYDROCRACKING
RT REFINING
RT THERMAL CRACKING

*****CATALYTIC REFORMING

BT REFORMING
RT PLATFORMING
RT THERMAL REFORMING

*****CELLULASE

BT ENZYMES
RT BAGASSE
RT ENZYMATIC HYDROLYSIS
RT HYDROLYSIS

*****CELLULOSE

RT BAGASSE
RT BIOMASS
RT CELLULOSE HYDROLYSIS
RT HYDROLYSIS

*****CELLULOSE HYDROLYSIS

BT BIOCHEMICAL PROCESSES
BT HYDROLYSIS
RT ACID HYDROLYSIS
RT ALKALINE HYDROLYSIS
RT CELLULOSE

*****CEMENT INDUSTRY

BT INDUSTRY

*****CENTRAL RECEIVERS

UF CENTRAL SOLAR RECEIVERS
BT SOLAR RECEIVERS
RT SOLAR COLLECTORS
RT SOLAR FARMS
RT SOLAR THERMAL POWER PLANTS

*****CENTRAL SOLAR RECEIVERS

USE CENTRAL RECEIVERS

*****CENTRIFUGAL PUMPS

BT PUMPS
RT LIQUID PISTON PUMPS

*****CERAMIC STOVES

BT STOVES
RT CHARCOAL STOVES

*****CEREALS

UF GRAINS (CEREALS)
RT FOOD
RT SORGHUM

*****CETANE

SN DIESEL FUELS
BT HYDROCARBON FUELS
RT CETANE IMPROVERS
RT CETANE NUMBER
RT IGNITION QUALITY

*****CETANE IMPROVERS

BT FUEL ADDITIVES
RT CETANE
RT CETANE NUMBER

*****CETANE NUMBER

DEF A MEASURE OF THE IGNITION QUALITY OF A DIESEL FUEL WHICH IS COMPARED TO A MIXTURE OF CETANE AND ALPHA-METHYL NAPTHALENE, HAVING THE SAME IGNITION QUALITY AS THE TEST FUEL. THE PERCENTAGE OF CETANE IN THE BLENDED FUEL IS TERMED THE CETANE NUMBER
SN DIESEL FUELS
RT CETANE
RT CETANE IMPROVERS
RT DIESOHOL
RT IGNITION IMPROVERS
RT IGNITION QUALITY

*****CHAR

DEF ANY SOLID CARBONACEOUS MATTER DEPOSITED ON THE INTERNAL SURFACES OF A RETORT IN WHICH A FUEL GASIFICATION PROCESS IS BEING CARRIED OUT
BT FOSSIL FUELS
RT COAL
RT COAL TARS
RT COGAS PROCESS
RT DEVOLATILISATION
RT GASIFICATION
RT PYROLYSIS
RT VOLATILES

*****CHAR OIL ENERGY DEVELOPMENT PROCESS

USE COGAS PROCESS

*****CHARCOAL

DEF A FORM OF AMORPHOUS CARBON OBTAINED AS THE RESIDUE FROM CARBONISATION OF WOOD
RT CARBONISATION
RT CHARCOAL STOVES
RT COAL
RT FUELWOOD
RT SOLID FUELS
RT WOOD

*****CHARCOAL BURNING STOVES

USE CHARCOAL STOVES

*****CHARCOAL KILNS

RT CHARCOAL STOVES

*****CHARCOAL STOVES

DEF COOKING AND HEATING STOVES DESIGNED TO USE CHARCOAL AS A FUEL
UF CHARCOAL BURNING STOVES
BT STOVES
NT DODOMA STOVES
NT JIKOS
NT THAI BUCKETS
RT CERAMIC STOVES
RT CHARCOAL
RT CHARCOAL KILNS
RT MUD STOVES
RT WOOD BURNING STOVES

*****CHARGE COOLING

DEF COOLING OF THE INTAKE MIXTURE PRIOR TO ITS INDUCTION INTO THE ENGINE CYLINDER
BT ANTI KNOCK
RT ENGINE BREATHING
RT EVAPORATION
RT INTERCOOLERS
RT KNOCK CONTROL
RT TURBOCHARGERS
RT VOLUMETRIC EFFICIENCY
RT WATER INJECTION

*****CHARGE STRATIFICATION

RT STRATIFIED CHARGE ENGINES

*****CHEMICAL ANALYSIS

NT COAL ANALYSIS

*****CHEMICAL FEEDSTOCKS

RT COAL CONSUMPTION
RT ORGANIC COMPOUNDS
RT PETROCHEMICALS

*****CHEMICAL INDUSTRY

BT INDUSTRY

*****CHEMICAL INJECTION PROCESSES

BT ENHANCED OIL RECOVERY

*****CHEMICAL REACTORS

BT REACTORS
NT ATMOSPHERIC FLUIDISED BEDS
NT BUBBLING FLUIDISED BEDS
NT CIRCULATING FLUIDISED BEDS
NT FIXED BEDS
NT FLUIDISED BEDS
NT FURNACES
NT KILNS
NT LIQUID FLUIDISED BEDS
NT PEBBLE BED REACTORS
NT PRESSURISED FLUIDISED BEDS
NT SPOUTED BEDS

*****CHERNOBYL

BT NUCLEAR POWER STATIONS
RT NUCLEAR ACCIDENTS

*****CHOKES

SN ENGINES
BT CARBURETTORS

*****CHULAS

BT WOOD BURNING STOVES

*****CIRCULAR POINT COLLECTORS

USE PARABOLIC DISH COLLECTORS

*****CIRCULATING FLUIDISED BEDS

BT CHEMICAL REACTORS
BT FLUIDISED BEDS
RT AGGREGATIVE FLUIDISATION
RT BUBBLING FLUIDISED BEDS
RT CYCLONE SEPARATION
RT DENSE PHASE CONVEYING
RT LEAN PHASE CONVEYING
RT PARTICULATE FLUIDISATION

*****CLEARANCE VOLUME

BT VOLUMETRIC EFFICIENCY

*****CLEEP PROJECT

USE LOW ENERGY HOUSES

*****CLOSED CYCLE

BT BRAYTON CYCLE

*****CLOSED TUBES

SN ENGINES
RT DETONATION

*****CLOSER SETTLEMENTS

BT UNDERDEVELOPED AREAS

*****CNG

USE COMPRESSED NATURAL GAS

*****CO

USE CARBON MONOXIDE

*****CO2

USE CARBON DIOXIDE

*****COAL

DEF CARBONACEOUS ROCK OF SEDIMENTARY ORIGIN CONTAINING NOT MORE THAN 50% OF ASH
BT FOSSIL FUELS
BT PRIMARY FUELS
BT SOLID FUELS
NT ANTHRACITE
NT BITUMINOUS COAL
NT COKING COAL
NT LEAN COAL
NT LIGNITE
NT METALLURGICAL COAL
NT PEAT
NT STEAM COAL
NT SUB-BITUMINOUS COAL
RT ASH
RT CALORIFIC VALUE
RT CHAR
RT CHARCOAL
RT COAL ASH
RT COAL COMBUSTION
RT COAL GASIFICATION
RT COAL LIQUEFACTION
RT COAL QUALITY
RT COAL RANK
RT COAL RESEARCH
RT COAL RESERVES
RT COAL RESOURCES
RT COKE
RT DEVOLATILISATION
RT FLUIDISED BED COMBUSTION
RT FLUIDISED BEDS
RT METHANOL
RT OIL SHALES
RT PULVERISED FUELS
RT PYROLYSIS
RT THERMAL DECOMPOSITION
RT VOLATILES

*****COAL ANALYSIS

BT CHEMICAL ANALYSIS
BT QUALITATIVE ANALYSIS
BT QUANTITATIVE ANALYSIS
NT ASH FUSION TEMPERATURE
NT CALORIFIC VALUE
NT COAL PROPERTIES
NT FOULING PROPENSITY
NT PARTICLE SIZE DISTRIBUTION
NT PROXIMATE ANALYSIS
NT SWELLING INDEX
NT ULTIMATE ANALYSIS
RT ABRASIVENESS
RT COAL CLASSIFICATION
RT GRINDABILITY
RT HARDNESS
RT MACHINE WEAR RATES

*****COAL ASH

DEF NONCOMBUSTIBLE MATTER IN COAL
BT ASH
RT COAL

*****COAL CHARACTERISATION

USE COAL CLASSIFICATION

*****COAL CLASSIFICATION

DEF GENERALLY REFERS TO THE MACERAL COMPOSITION OF COAL
UF COAL CHARACTERISATION
UF PETROGRAPHIC ANALYSIS
NT COAL COMPOSITION
NT COAL QUALITY
NT COAL STRUCTURE
NT EXINITE
NT FUSINITE
NT INERTINITE
NT MACERALS
NT VITINITE
RT COAL ANALYSIS
RT COAL REACTIVITY

*****COAL COMBUSTION

BT COMBUSTION
RT ATMOSPHERIC FLUIDISED BEDS
RT CIRCULATING FLUIDISED BEDS
RT COAL
RT PRESSURISED FLUIDISED BEDS

*****COAL COMPOSITION

BT COAL ANALYSIS
BT COAL CLASSIFICATION
RT ABRASIVENESS
RT ASH FUSION TEMPERATURE
RT CALORIFIC VALUE
RT GRINDABILITY
RT HARDNESS
RT SWELLING INDEX

*****COAL CONSUMPTION

BT ENERGY CONSUMPTION
NT METALLURGICAL COAL CONSUMPTION
NT STEAM COAL CONSUMPTION
RT CHEMICAL FEEDSTOCKS
RT COAL DEMAND
RT COAL PRODUCTION
RT POWER GENERATION
RT SYNTHETIC FUELS

*****COAL CONVERSION

BT COAL HANDLING
NT COAL GASIFICATION
NT COAL LIQUEFACTION
NT PYROLYSIS
NT THERMAL DECOMPOSITION
RT COAL DERIVED FUELS
RT COAL TARS
RT COMBUSTION
RT INCINERATION
RT SOLVENT REFINED COAL
RT SYNTHETIC FUELS

*****COAL DEMAND

BT DEMAND
RT COAL CONSUMPTION
RT COAL MARKETS
RT COAL PRODUCTION
RT COAL TRADE

*****COAL DERIVED FUELS

BT ALTERNATIVE FUELS
BT FUELS
BT SYNTHETIC FUELS
NT COAL ETHANOL MIXTURES
NT COAL LIQUID MIXTURES
NT COAL METHANOL MIXTURES
NT COAL OIL MIXTURES
NT COAL WATER MIXTURES
NT METHANOL
NT SASOL FUELS
NT SLURRY FUELS
RT COAL CONVERSION
RT COAL GASIFICATION
RT COAL LIQUEFACTION
RT H COAL PROCESS
RT PYROLYSIS

*****COAL DERIVED OIL

USE OIL FROM COAL

*****COAL ETHANOL MIXTURES

UF COAL ETHANOL SLURRIES
BT COAL LIQUID MIXTURES
BT COAL DERIVED FUELS
BT SLURRY FUELS
BT SYNTHETIC FUELS
NT ETHACOAL
RT COAL METHANOL MIXTURES
RT COAL OIL MIXTURES
RT COAL WATER MIXTURES
RT ETHANOL

*****COAL ETHANOL SLURRIES

USE COAL ETHANOL MIXTURES

*****COAL EXPORTS

RT COAL MARKETS
RT COAL PRODUCTION
RT COAL TRADE

*****COAL GASIFICATION

BT COAL CONVERSION
NT COGAS PROCESS
BT GASIFICATION
NT FIXED BED COAL GASIFICATION
NT FLUID BED COAL GASIFICATION
NT UNDERGROUND COAL GASIFICATION
RT ASH
RT BITUMINOUS COAL
RT CATALYSIS
RT COAL DERIVED FUELS
RT COAL
RT COAL LIQUEFACTION
RT COAL PROCESSING
RT FIXED BEDS
RT PRESSURISED FLUIDISED BEDS
RT PYROLYSIS
RT SYNTHETIC FUELS
RT THERMAL DECOMPOSITION

*****COAL GRANULES

RT PARTICLES

*****COAL GRINDING

BT COMMINUTION
BT ORE DRESSING
RT ABRASION
RT CRUSHING
RT SIZE ANALYSIS
RT WEAR

*****COAL HANDLING

BT COAL PROCESSING
NT BENEFICIATION
NT COAL CONVERSION
NT COAL MINING
NT COAL TRANSPORT
RT BULK SOLIDS HANDLING

*****COAL IMPORTS

RT COAL MARKETS
RT COAL PRODUCTION
RT COAL TRADE

*****COAL INDUSTRY

BT INDUSTRY

*****COAL LIQUEFACTION

BT COAL CONVERSION
BT LIQUEFACTION
NT DIRECT LIQUEFACTION
NT H COAL PROCESS
NT INDIRECT LIQUEFACTION
NT SASOL PROCESS
NT SOLVENT EXTRACTION
NT SYNTHOIL PROCESS
NT SYNTHOL PROCESS
RT CATALYSIS
RT COAL
RT COAL DERIVED FUELS
RT COAL GASIFICATION
RT HYDROGENATION
RT PYROLYSIS
RT SYNTHETIC FUELS
RT THERMAL DECOMPOSITION

*****COAL LIQUID MIXTURES

UF COAL LIQUID SLURRIES
BT COAL DERIVED FUELS
BT SLURRY FUELS
BT SYNTHETIC FUELS
NT COAL ETHANOL MIXTURES
NT COAL METHANOL MIXTURES
NT COAL OIL MIXTURES
NT COAL WATER MIXTURES
RT SYNTHETIC CRUDE OIL

*****COAL LIQUID SLURRIES

USE COAL LIQUID MIXTURES

*****COAL MARKETS

RT COAL DEMAND
RT COAL EXPORTS
RT COAL IMPORTS
RT COAL PRICES
RT COAL PRODUCTION
RT COAL SUPPLY
RT COAL TRADE
RT ENERGY TRADE

*****COAL METHANOL MIXTURES

UF COAL METHANOL SLURRIES
BT COAL DERIVED FUELS
BT COAL LIQUID MIXTURES
BT SLURRY FUELS
BT SYNTHETIC FUELS
NT METHACOAL
RT COAL ETHANOL MIXTURES
RT COAL OIL MIXTURES
RT COAL WATER MIXTURES

*****COAL METHANOL SLURRIES

USE COAL METHANOL MIXTURES

*****COAL MINES

USE COLLIERIES

*****COAL MINING

BT COAL HANDLING
NT BORD PILLAR MINING
NT LONGWALL MINING
NT OPEN CAST MINING
NT STRIP MINING
RT COAL PRODUCTION
RT COLLIERIES

*****COAL OIL MIXTURES

UF COAL OIL SLURRIES
BT COAL DERIVED FUELS
BT COAL LIQUID MIXTURES
BT SLURRY FUELS
BT SYNTHETIC FUELS
RT COAL ETHANOL MIXTURES
RT COAL METHANOL MIXTURES
RT COAL WATER MIXTURES
RT FUEL OILS

*****COAL OIL SLURRIES

USE COAL OIL MIXTURES

*****COAL PREPARATION

DEF A COLLECTIVE TERM FOR THE PHYSICAL AND MECHANICAL PROCESSES APPLIED TO COAL TO MAKE IT SUITABLE FOR A PARTICULAR USE
BT COMMINUTION
NT COAL WASHING
NT CRUSHING
RT DRYING
RT FLOTATION

*****COAL PRICES

BT ENERGY PRICES
RT COAL MARKETS

*****COAL PROCESSING

NT COAL HANDLING
RT COAL GASIFICATION

*****COAL PRODUCTION

NT METALLURGICAL COAL PRODUCTION
NT STEAM COAL PRODUCTION
RT COAL BENEFICIATION
RT COAL CONSUMPTION
RT COAL DEMAND
RT COAL EXPORTS
RT COAL IMPORTS
RT COAL MARKETS
RT COAL MINING
RT COAL RESERVES
RT COAL SUPPLY
RT COAL TRADE

*****COAL PROPERTIES

BT COAL ANALYSIS
BT COAL STRUCTURE
NT ASH FUSION TEMPERATURE
NT CALORIFIC VALUE
NT FOULING PROPENSITY
NT PARTICLE SIZE DISTRIBUTION
NT PROXIMATE ANALYSIS
NT SWELLING INDEX
NT ULTIMATE ANALYSIS
RT ABRASIVENESS
RT COAL CLASSIFICATION
RT GRINDABILITY
RT HARDNESS
RT MACHINE WEAR RATES

*****COAL QUALITY

BT COAL CLASSIFICATION
BT COAL PROPERTIES
NT COAL RANK
NT COMBUSTIBILITY
NT REACTIVITY
RT COAL

*****COAL RANK

BT COAL QUALITY
RT ANTHRACITE
RT BITUMINOUS COAL
RT COAL
RT LIGNITE
RT MACERALS
RT PEAT
RT SUB-BITUMINOUS COAL

*****COAL REACTIVITY

RT COAL CLASSIFIACTION

*****COAL RESEARCH

BT ENERGY RESEARCH
RT COAL

*****COAL RESERVES

BT COAL RESOURCES
RT COAL
RT COAL PRODUCTION

*****COAL RESOURCES

DEF KNOWN OCCURRENCES OF COAL WHERE THE MAGNITUDES OF THE DEPOSITS AND THEIR ECONOMIC EXPLOITABLITY ARE EITHER NOT KNOWN OR ARE SUCH THAT EXPLOITATION IS NOT WARRENTED AT PRESENT
NT COAL RESERVES
RT COAL

*****COAL STRUCTURE

BT COAL CLASSIFICATION
BT COAL PROPERTIES
NT MICROPOROSITY
NT POROSITY
NT SHAPE
RT MACERALS

*****COAL SUPPLY

BT SUPPLY
RT COAL MARKETS
RT COAL PRODUCTION

*****COAL TARS

NT CREOSOTES
NT PHENOLS
NT PYROLIGENOUS ACIDS
RT CHAR
RT PYROLYSIS
RT VOLATILES

*****COAL TRADE

BT ENERGY TRADE
RT COAL DEMAND
RT COAL EXPORTS
RT COAL IMPORTS
RT COAL MARKETS
RT COAL PRODUCTION
RT COAL SUPPLY
RT TRADE

*****COAL TRANSPORT

BT COAL HANDLING

*****COAL VOLATILES

BT VOLATILES
RT BITUMINOUS COAL

*****COAL WASHING

BT BENEFICIATION
BT COMMINUTION
BT ORE DRESSING
RT DENSE MEDIUM SEPARATION
RT FLOTATION

*****COAL WATER MIXTURES

UF COAL WATER SLURRIES
BT COAL DERIVED FUELS
BT COAL LIQUID MIXTURES
BT SLURRY FUELS
BT SYNTHETIC FUELS
RT COAL ETHANOL MIXTURES
RT COAL METHANOL MIXTURES
RT COAL OIL MIXTURES

*****COAL WATER SLURRIES

USE COAL WATER MIXTURES

*****COAL-GENERATED ELECTRICITY

CT COAL
+ POWER GENERATION

*****COATINGS

BT SELECTIVE SURFACES
RT SOLAR ABSORBERS

*****COED PROCESS

USE COGAS PROCESS

*****COGAS PROCESS

DEF MULTISTAGE FLUIDISED BED CARBONISATION FOLLOWED BY STEAM GASIFICATION OF CHAR
UF CHAR OIL ENERGY DEVELOPMENT PROCESS
UF COED PROCESS
BT CARBONISATION
BT COAL GASIFICATION
RT CHAR
RT FLUIDISED BEDS
RT SYNTHESIS GAS

*****COGENERATION

UF COMBINED HEAT AND POWER
BT POWER GENERATION
RT DISTRICT HEATING
RT TOTAL ENERGY SYSTEMS
RT ENERGY CONSERVATION
RT PROCESS HEAT
RT WASTE DERIVED FUELS
RT WASTE HEAT RECOVERY

*****COHERENT ANTI STOKES RAMAN SPECTROSCOPY

UF CARS
BT ANTI STOKES RAMAN SPECTROSCOPY

*****COKE

BT CARBONISATION
BT SOLID FUELS
RT COAL
RT COKING COAL
RT FOSSIL FUELS

*****COKE OVENS

BT OVENS
RT CARBONISATION
RT COKING COAL

*****COKING COAL

DEF BITUMINOUS COAL WHICH SOFTENS ON HEATING AND IS CAPABLE OF PROVIDING COKE OF METALLURGICAL GRADE WHEN CARBONISED IN A COKE OVEN
BT COAL
RT BITUMINOUS COAL
RT COKE
RT COKING OVENS

*****COLD START

SN INTERNAL COMBUSTION ENGINES
NT IGNITION
NT VISCOSITY
RT DRIVEABILITY
RT HOT START
RT VOLATILITY

*****COLLIERIES

UF COAL MINES
RT COAL MINING

*****COMBINED COLLECTORS

DEF COMBINED PHOTOVOLTAIC/THERMAL COLLECTORS
BT SOLAR COLLECTORS
RT PHOTOVOLTAICS

*****COMBINED CYCLE POWER PLANTS

BT POWER PLANTS
BT THERMAL POWER PLANTS
RT COMBINED CYCLES
RT PRESSURISED FLUIDISED BEDS

*****COMBINED CYCLES

DEF A THERMODYNAMIC CYCLE USING A COMBINATION OF GAS AND STEAM TURBINES
BT THERMODYNAMIC CYCLES
RT COMBINED CYCLE POWER PLANTS
RT TOTAL ENERGY SYSTEMS

*****COMBINED HEAT AND POWER

USE COGENERATION

*****COMBUSTIBILITY

SN COAL
BT COAL QUALITY

*****COMBUSTION

UF BURNING
SN FUELS
BT THERMOCHEMICAL PROCESSES
NT ABNORMAL COMBUSTION
NT COAL COMBUSTION
NT DIRECT COMBUSTION
NT FLUIDISED BED COMBUSTION
NT NORMAL COMBUSTION
RT AIR FUEL RATIO
RT CALORIFIC VALUE
RT COAL
RT COAL CONVERSION
RT DETONATION
RT DIESEL KNOCK
RT ENGINES
RT FLAMES
RT FUEL INJECTION
RT IGNITION
RT INCINERATION
RT KNOCK
RT PYROLYSIS

*****COMBUSTION CENTRES

BT AUTO IGNITION

*****COMBUSTION CHAMBERS

SN INTERNAL COMBUSTION ENGINES
NT END GAS
NT SPARK PLUGS
NT SQUISH
NT SURFACE TO VOLUME RATIO
RT ABNORMAL COMBUSTION
RT NORMAL COMBUSTION
RT PISTONS
RT SWIRL

*****COMBUSTION NOISE

SN ENGINES
BT ENGINE NOISE

*****COMBUSTORS

DEF A VESSEL DESIGNED TO CONTAIN THE COMBUSTION OF FUEL
NT FLUIDISED BED COMBUSTORS

*****COMMINUTION

UF MILLING (COMMINUTION)
UF SIZE REDUCTION
NT BENEFICIATION
NT COAL GRINDING
NT COAL PREPARATION
NT COAL WASHING
NT CRUSHING
NT GRINDING
NT PULVERISATION
RT FRAGMENTATION
RT PULVERISERS

*****COMPOUND PARABOLIC CONCENTRATORS

UF WINSTON COLLECTORS
BT SOLAR CONCENTRATORS
RT PARABOLIC REFLECTORS

*****COMPRESSED NATURAL GAS

UF CNG
BT AUTOMOTIVE FUELS
BT GASES
RT LIQUEFIED NATURAL GAS
RT LIQUEFIED PETROLEUM GAS

*****COMPRESSION IGNITION ENGINES

DEF A FAMILY OF INTERNAL COMBUSTION ENGINES WHERE FUEL IS INJECTED DIRECTLY INTO THE COMPRESSED AIR CHARGE IN THE COMBUSTION CHAMBER WHERE IT ABSORBS SUFFICIENT HEAT TO IGNITE
UF DIESEL ENGINES
BT INTERNAL COMBUSTION ENGINES
RT DIESEL FUELS
RT DIRECT INJECTION
RT DUAL FUEL ENGINES
RT HIGH COMPRESSION ENGINES
RT IGNITION
RT INDIRECT INJECTION
RT LIMITED PRESSURE CYCLE
RT SPARK IGNITION ENGINES

*****COMPRESSION RATIO

DEF THE RATIO OF SWEPT VOLUME PLUS CLEARANCE VOLUME TO CLEARANCE VOLUME
SN ENGINES
RT ANTI KNOCK
RT COMPRESSION TESTS
RT FUEL ECONOMY
RT FUEL EFFICIENCY
RT HIGH COMPRESSION ENGINES
RT OTTO CYCLE
RT PISTONS

*****COMPRESSION TESTS

RT COMPRESSION RATIO

*****COMPRESSOR EFFICIENCY

BT EFFICIENCY
RT SUPERCHARGING

*****COMPRESSORS

BT TURBOMACHINERY
RT INTERCOOLERS
RT LIQUID PISTON PUMPS
RT SUPERCHARGING
RT TURBOCHARGERS

*****CONCENTRATING COLLECTORS

BT SOLAR COLLECTORS
NT PARABOLIC DISH COLLECTORS
NT PARABOLIC TROUGH COLLECTORS
RT SOLAR CONCENTRATORS
RT SOLAR RECEIVERS
RT SOLAR THERMAL POWER PLANTS

*****CONSERVATION

NT ENERGY CONVERSION

*****CONSERVATION (ENERGY)

USE ENERGY CONVERSION

*****CONSTANT VOLUME CYCLE

USE OTTO CYCLE

*****CONTINUOUS FUEL INJECTION

BT FUEL INJECTION

*****CONTOUR LINES

SN ENGINES
BT ENGINE MAPPING

*****CONVERSION

NT ENERGY CONVERSION

*****COOKING

UF FOOD PROCESSING
RT COOKING APPLIANCES
RT STOVES

*****COOKING APPLIANCES

NT STOVES
RT COOKING

*****COOKSTOVES

USE STOVES

*****COOLERS

USE HEAT EXCHANGERS OR
USE INTERCOOLERS

*****COOLING TOWERS

NT DRY COOLING TOWERS
NT MECHANICAL DRAFT COOLING TOWERS
NT NATURAL DRAFT COOLING TOWERS
NT WET COOLING TOWERS
RT HEAT EXCHANGERS
RT POWER STATIONS

*****CORROSION

SN ENGINES
BT ENGINE WEAR

*****CORROSION INHIBITORS

UF RUST INHIBITORS
BT FUEL ADDITIVES
RT CORROSION

*****COST BENEFIT ANALYSIS

BT COSTS
RT ECONOMICS
RT LIFE CYCLE COSTS

*****COSTS

NT CAPITAL COSTS
NT LIFE CYCLE COSTS
NT MARGINAL COSTS
NT OPERATING COSTS
RT BUDGETS
RT CAPITAL
RT COST BENEFIT ANALYSIS
RT ECONOMICS
RT ENERGY ECONOMICS
RT FINANCE
RT FUEL CYCLES
RT PRICES

*****CRACKING

DEF INCREASING THE RELATIVE PROPORTIONS OF LIGHTER OR MORE VOLATILE COMPONENTS OF AN OIL BY BREAKING DOWN THE LARGER HYDROCARBON MOLECULES INTO SMALLER MOLECULES
NT CATALYTIC CRACKING
NT HYDROCRACKING
NT THERMAL CRACKING

*****CREOSOTES

BT COAL TARS

*****CRETAN WINDMILLS

BT WINDMILLS

*****CRITICALITY

DEF THE NECESSARY CONDITION FOR A SELF-SUSTAINING FISSION CHAIN TO BE ESTABLISHED
RT NUCLEAR REACTORS

*****CROP RESIDUES

BT AGRICULTURAL RESIDUES
NT BAGASSE
NT MAIZE STOVER AND COBS
NT SORGHUM STRAW
NT WHEAT STRAW

*****CROSS FLOW WOOD GASIFIERS

BT WOOD GASIFIERS

*****CRUDE

USE CRUDE OIL

*****CRUDE OIL

UF CRUDE
UF CRUDE PETROLEUM
UF PETROLEUM
UF ROCK OIL
BT FOSSIL FUELS
BT PRIMARY FUELS
NT HEAVY CRUDE OIL
NT LIGHT CRUDE OIL
NT MEDIUM CRUDE OIL
NT NAPHTHENIC CRUDE OIL
NT PARAFFIN-BASE CRUDE OIL
NT SOUR CRUDES
NT SWEET CRUDES
NT SYNTHETIC CRUDE OIL
RT ENHANCED OIL RECOVERY
RT GAS FIELDS
RT HYDROCARBONS
RT NATURAL GAS
RT OIL CONSUMPTION
RT OIL FIELDS
RT OIL INDUSTRY
RT OIL PRICES
RT OIL PRODUCTION

*****CRUDE PETROLEUM

USE CRUDE OIL

*****CRUSHING

BT COMMINUTION
RT COAL GRINDING
RT COAL PREPARATION
RT FRAGMENTATION
RT ORE DRESSING

*****CYCLONE SEPARATION

RT CIRCULATING FLUIDISED BEDS

*****CYLINDRICAL PARABOLIC COLLECTORS

USE PARABOLIC TROUGH COLLECTORS

*****D C

USE DIRECT CURRENT

*****D H

USE DISTRICT HEATING

*****DAMS

RT HYDROELECTRIC POWER

*****DARRIEUS ROTORS

USE DARRIEUS WIND TURBINES

*****DARRIEUS WIND TURBINES

UF DARRIEUS ROTORS
BT WIND TURBINES
RT VERTICAL AXIS WIND TURBINES

*****DDGS

USE DISTILLERS DRIED GRAINS AND SOLIDS

*****DECAY (BIOLOGICAL)

USE DECOMPOSITION

*****DECELERATION

RT DRIVING CYCLES

*****DECOMPOSED METHANOL

USE DISSOCIATED METHANOL

*****DECOMPOSITION

UF DECAY (BIOLOGICAL)
UF DEGRADATION (CHEMICAL)
UF DISINTEGRATION (BIOLOGICAL)
UF DISINTEGRATION (CHEMICAL)
NT CARBONISATION
NT DESTRUCTIVE DISTILLATION
NT THERMAL DECOMPOSITION
RT DISSOCIATION
RT THERMAL GRAVIMETRIC ANALYSIS

*****DEEP GRANUALR BEDS

USE FIXED BEDS

*****DEFORESTATION

RT BIOMASS
RT FORESTRY
RT FORESTS
RT FUELWOOD
RT WOOD BURNING STOVES

*****DEGRADATION (CHEMICAL)

USE DECOMPOSITION

*****DEHYDRATION

RT DRYING
RT EVAPORATION

*****DEMAND

NT COAL DEMAND
NT ENERGY DEMAND
RT ENERGY CONSUMPTION
RT ENERGY SUPPLY
RT FUEL CONSUMPTION
RT SUPPLY

*****DENSE MEDIUM SEPARATION

BT BENEFICIATION
RT COAL WASHING

*****DENSE PHASE CONVEYING

RT BUBBLING FLUIDISED BEDS
RT CIRCULATING FLUIDISED BEDS

*****DESICCANTS

RT DRYING
RT ZEOLITES

*****DESTRUCTIVE DISTILLATION

BT DECOMPOSITION
BT DISTILLATION

*****DETONATION

DEF THE PHENOMENON OF COMBUSTION BY MEANS OF A FLAME FRONT PROPAGATING AT SONIC SPEED THROUGH A COMBUSTIBLE MIXTURE
SN SPARK IGNITION ENGINES
BT ABNORMAL COMBUSTION
NT FLAME FRONTS
RT AUTO IGNITION
RT CLOSED TUBES
RT COMBUSTION
RT ENGINE DAMAGE

*****DETONATION WAVES

RT DETONATION
RT KNOCK

*****DEVELOPED COUNTRIES

UF INDUSTRIALISED COUNTRIES
RT DEVELOPING COUNTRIES

*****DEVELOPED SECTOR

RT UNDERDEVELOPED AREAS

*****DEVELOPING AREAS

USE UNDERDEVELOPED AREAS

*****DEVELOPING COUNTRIES

UF THIRD WORLD
RT APPROPRIATE TECHNOLOGY
RT DEVELOPED COUNTRIES
RT RURAL ENERGY

*****DEVOLATILISATION

RT CHAR
RT COAL

*****DIAGNOSTICS

RT ENGINE NOISE
RT LASERS

*****DIESEL CYCLE

RT OTTO CYCLE
RT STIRLING CYCLE

*****DIESEL DELAY

BT DIESEL KNOCK

*****DIESEL ENGINES

USE COMPRESSION IGNITION ENGINES

*****DIESEL FUELS

DEF FUELS SUITABLE FOR USE IN DIESEL OR COMPRESSION IGNITION ENGINES
BT AUTOMOTIVE FUELS
BT LIQUID FUELS
BT PETROLEUM PRODUCTS
RT CETANE NUMBER
RT COMPRESSION IGNITION ENGINES
RT DIESEL FUELS CONSUMPTION
RT FUEL OILS
RT GAS OILS
RT PARAFFIN
RT SASOL DIESEL
RT VEGETABLE OILS

*****DIESEL FUELS CONSUMPTION

BT FUEL CONSUMPTION
RT DIESEL FUELS

*****DIESEL GENERATORS

RT RURAL ENERGY

*****DIESEL KNOCK

DEF AN ACOUSTIC PHENOMENON RESULTING FROM A HIGH RATE OF PRESSURE RISE IN DIESEL ENGINES
SN COMPRESSION IGNITION ENGINES
NT DIESEL DELAY
NT INJECTION QUALITY
NT PRESSURE RISE RATES
RT COMBUSTION
RT ENGINE STIFFNESS
RT KNOCK

*****DIFFUSE SOLAR RADIATION

BT SOLAR IRRADIANCE
BT SOLAR RADIATION

*****DIGESTERS

DEF AIRTIGHT VESSELS USED FOR FERMENTATION PROCESSES, FOR EXAMPLE, ETHANOL AND BIOGAS PRODUCTION
BT EQUIPMENT
NT AEROBIC DIGESTERS
NT ANAEROBIC DIGESTERS
NT GOBAR GAS PLANTS
RT AGRICULTURAL RESIDUES
RT BIOGAS
RT DUNG
RT FERMENTATION
RT HYDROLYSIS
RT METHANE

*****DIRECT COMBUSTION

BT BIOCONVERSION
BT COMBUSTION

*****DIRECT CURRENT

DEF ELECTRICITY GENERATED IN SUCH A WAY THAT THE ELECTRON FLOW IN A CONDUCTOR IS ALWAYS IN THE SAME DIRECTION
UF D C
BT ELECTRICITY
RT ALTERNATING CURRENT

*****DIRECT ENERGY CONVERSION

BT ENERGY CONVERSION

*****DIRECT GAIN SYSTEMS

BT PASSIVE SOLAR HEATING
BT SOLAR HEATING
RT HEAT GAIN
RT PASSIVE SOLAR ENERGY

*****DIRECT INJECTION

DEF A DESCRIPTION OF THE PLACE OF INJECTION OF A DIESEL FUEL INTO A DIESEL ENGINE COMBUSTION CHAMBER. HERE THE COMBUSTION CHAMBER FORMS PART OF THE PISTON AND CYLINDER ASSEMBLY INTO WHICH THE FUEL IS DIRECTLY INJECTED
SN COMPRESSION IGNITION ENGINES
BT FUEL INJECTION
RT COMPRESSION IGNITION ENGINES
RT INDIRECT INJECTION

*****DIRECT LIQUEFACTION

BT COAL LIQUEFACTION

*****DIRECT SOLAR RADIATION

BT SOLAR IRRADIANCE
BT SOLAR RADIATION
RT SOLAR THERMAL ELECTRIC

*****DISCHARGES (WASTES)

USE WASTE DISPOSAL

*****DISINTEGRATION (BIOLOGICAL)

USE DECOMPOSITION

*****DISINTEGRATION (CHEMICAL)

USE DECOMPOSITION

*****DISPOSAL (WASTES)

USE WASTE DISPOSAL

*****DISSOCIATED METHANOL

DEF A MIXTURE OF HYDROGEN AND CARBON MONOXIDE RESULTING FROM THE DISSOCIATION OF METHANOL
UF DECOMPOSED METHANOL
BT METHANOL
RT CARBON MONOXIDE
RT DISSOCIATION
RT HYDROGEN
RT LATENT HEAT

*****DISSOCIATION

RT DECOMPOSITION
RT DISSOCIATED METHANOL

*****DISTILLATION

NT DESTRUCTIVE DISTILLATION
NT SOLAR DISTILLATION
RT ALTERNATIVE FUELS
RT EVAPORATION
RT EVAPORATORS
RT FIXED BEDS
RT REID VAPOUR PRESSURE
RT STILLAGE
RT VOLATILITY

*****DISTILLERS DRIED GRAINS AND SOLIDS

UF DDGS
RT STILLAGE

*****DISTRIBUTED COLLECTOR POWER PLANTS

USE DISTRIBUTED COLLECTOR SYSTEMS

*****DISTRIBUTED COLLECTOR SYSTEMS

UF DISTRIBUTED COLLECTOR POWER PLANTS
BT THERMAL POWER PLANTS
RT SOLAR THERMAL POWER PLANTS

*****DISTRIBUTION OCTANE NUMBER

BT OCTANE NUMBER

*****DISTRICT HEATING

DEF THE SUPPLY AND DISTRIBUTION OF HEAT ENERGY TO A NEIGHBOURHOOD OR DISTRICT
UF D H
BT HEATING
NT GEOTHERMAL DISTRICT HEATING
NT SOLAR DISTRICT HEATING
RT COGENERATION

*****DIVIDED CHAMBERS

SN ENGINES
RT INDIRECT INJECTION

*****DODOMA STOVES

BT CHARCOAL STOVES

*****DOPES

USE FUEL ADDITIVES

*****DOUNREAY FAST REACTOR

BT LIQUID METAL COOLED FAST BREEDER REACTORS

*****DOWN DRAFT WOOD GASIFIERS

BT WOOD GASIFIERS

*****DRAKENSBERG PUMPED STORAGE SCHEME

DEF THIS FORMS PART OF THE TUGELA-VAAL SCHEME
BT PUMPED STORAGE
RT HYDROELECTRIC POWER

*****DRAUGHT ANIMALS

DEF ANIMALS USED TO PRODUCE TRACTIVE POWER
BT ANIMAL POWER
RT PLOUGHS
RT RURAL TRANSPORTATION
RT TRACTION

*****DRAUGHT POWER

USE ANIMAL POWER

*****DRIVEABILITY

SN VEHICLES
RT ACCELERATION
RT COLD START
RT DRIVING CYCLES
RT MISFIRE
RT STALL

*****DRIVING CYCLES

DEF A SET SEQUENCE OF DRIVING MANOEUVRES INTENDED TO SIMULATE A PARTICULAR MODE OF VEHICLE OPERATION
SN VEHICLES
NT ECE DRIVING CYCLES
NT EPA DRIVING CYCLES
NT URBAN DRIVING CYCLES
RT ACCELERATION
RT DECELERATION
RT DRIVEABILITY
RT DRIVING PATTERNS
RT FUEL CONSUMPTION
RT FUEL ECONOMY
RT FUEL EFFICIENCY
RT IDLING
RT MODELLING
RT STEADY SPEED

*****DRIVING MODES

USE DRIVING PATTERNS

*****DRIVING PATTERNS

UF DRIVING MODES
NT DRIVING CYCLES
RT FUEL CONSUMPTION

*****DRY GAS

BT NATURAL GAS

*****DRYING

NT SOLAR DRYING
RT COAL PREPARATION
RT DESICCANTS
RT DEHYDRATION
RT EVAPORATION

*****DUAL FUEL ENGINES

DEF RELATES TO ENGINES ADAPTED OR DESIGNED TO OPERATE ON TWO FUELS SIMULTANEOUSLY. ONE FUEL IS USUALLY THE PILOT OR IGNITOR FUEL. THE BALANCE OF POWER IS DEVELOPED BY THE SECONDARY FUEL
RT BLENDS
RT COMPRESSION IGNITION ENGINES
RT MULTIFUEL ENGINES

*****DUCKS

DEF DEVICES DEVELOPED BY STEPHEN SALTER AT EDINBURGH UNIVERSITY FOR HARNESSING ENERGY FROM WAVES
SN WAVE ENERGY
UF SALTER DUCKS
BT WAVE ENERGY DEVICES
RT OSCILLATING WATER COLUMNS
RT SEA CLAMS
RT WAVE ENERGY

*****DUHVA POWER STATION

BT POWER STATIONS

*****DUNG

UF ANIMAL WASTES
UF MANURES
BT AGRICULTURAL RESIDUES
BT ORGANIC WASTES
BT RURAL ENERGY
RT ANAEROBIC DIGESTION
RT DIGESTERS
RT METHANE

*****DUTCH WINDMILLS

BT WINDMILLS

*****DYNAMOMETER TESTING

DEF THE SIMULATION OF IN-SERVICE CONDITIONS UNDER CONTROLLED LABORATORY CONDITIONS
UF BRAKE TESTING
UF LOAD TESTING
BT TESTING
RT ENGINE MAPPING
RT ENGINE PERFORMANCE
RT ENGINE TESTING
RT MODELLING
RT TEST CELLS

*****DYNAMOS

BT ELECTRIC POWER PLANTS
RT ELECTRICITY GENERATION

*****ECE DRIVING CYCLES

UF ECONOMIC COMMISSION FOR EUROPE DRIVING CYCLES
BT DRIVING CYCLES

*****ECOLOGICAL COMMUNITIES

USE ECOSYSTEMS

*****ECONOMETRICS

DEF A BRANCH OF ECONOMICS IN WHICH HYPOTHESES ARE MATHEMATICALLY FORMULATED AND STATISTICALLY TESTED
BT ECONOMICS

*****ECONOMIC COMMISSION FOR EUROPE DRIVING CYCLES

USE ECE DRIVING CYCLES

*****ECONOMIC ELASTICITY

USE ELASTICITY

*****ECONOMIC GROWTH

RT ECONOMICS

*****ECONOMIC RENT

RT ECONOMICS

*****ECONOMICS

NT ENERGY ECONOMICS
NT ECONOMETRICS
NT INPUT OUTPUT ANALYSIS
RT BUDGETS
RT CAPITAL
RT COST BENEFIT ANALYSIS
RT COSTS
RT ECONOMIC GROWTH
RT ECONOMIC RENT
RT ECONOMY
RT ELASTICITY
RT FINANCE
RT GROSS NATIONAL PRODUCT
RT LIFE CYCLE COSTS
RT MARKETING
RT SUPPLY
RT TRADE

*****ECONOMY

DEF THE STRUCTURE OF ECONOMIC LIFE IN A COUNTRY OR AREA
RT ECONOMICS
RT GROSS NATIONAL PRODUCT
RT INPUT OUTPUT ANALYSIS

*****ECOSYSTEMS

UF ECOLOGICAL COMMUNITIES
RT ENVIRONMENT

*****EFFICIENCY

NT COMPRESSOR EFFICIENCY
NT ENERGY EFFICIENCY
NT ENGINE EFFICIENCY
NT FUEL EFFICIENCY
NT PART-LOAD EFFICIENCY
NT THERMODYNAMIC EFFICIENCY
NT VOLUMETRIC EFFICIENCY
RT NET ENERGY
RT PERFORMANCE
RT STOVES
RT WOOD BURNING STOVES

*****EFFLUENTS (GASES)

USE GASEOUS WASTES

*****EGR

USE EXHAUST GAS RECIRCULATION

*****EINSTEINIAN VORTEX

SN ENGINES
BT SWIRL
BT VORTEX
RT STRATIFIED CHARGE ENGINES

*****ELASTICITY

SN ECONOMICS
UF ECONOMIC ELASTICITY
UF ELASTICITY (ECONOMICS)
RT ECONOMETRICS
RT ECONOMICS
RT PRICES

*****ELASTICITY (ECONOMICS)

USE ELASTICITY

*****ELECTRIC BATTERIES

USE BATTERIES

*****ELECTRIC HEATING

BT HEATING
RT HEAT PUMPS
RT SPACE HEATING

*****ELECTRIC POWER

DEF POWER WHICH IS, OR CAN BE, DERIVED FROM THE USE OF ELECTRICITY
BT POWER
NT HYDROELECTRIC POWER
RT ELECTRIC POWER PLANTS
RT ELECTRIC UTILITIES
RT ELECTRICITY
RT ELECTRICITY
RT LOAD MANAGEMENT
RT NUCLEAR POWER
RT POWER GENERATION
RT POWER LOSSES
RT POWER PLANTS

*****ELECTRIC POWER PLANTS

DEF EQUIPMENT CONSTRUCTED FOR THE PURPOSE OF PROVIDING ELECTRIC POWER. INCLUDES BOTH LARGE SCALE SYSTEMS REFERRED TO AS POWER STATIONS, TO SMALL SCALE UNITS
BT POWER PLANTS
NT DYNAMOS
NT ELECTRICITY GENERATORS
RT ELECTRIC POWER
RT ELECTRIC UTILITIES
RT HYDROELECTRIC POWER PLANTS
RT MARGINAL COSTS
RT POWER STATIONS

*****ELECTRIC TRAINS

USE TRAINS

*****ELECTRIC UTILITIES

DEF ORGANISATIONS FOR THE GENERATION AND DISTRIBUTION OF ELECTRIC POWER
BT PUBLIC UTILITIES
RT ELECTRIC POWER
RT ELECTRIC POWER PLANTS
RT ELECTRICITY GENERATION
RT ELECTRICITY PRICES
RT ELECTRICITY PRODUCTION
RT ELECTRICITY SALES
RT PEAK LOAD
RT POWER STATIONS

*****ELECTRIC VEHICLES

DEF TRANSPORT VEHICLES PROPELLED BY ELECTRIC MOTORS
BT VEHICLES
NT BATTERY VEHICLES
NT TRAINS
NT TROLLEY BUSES
RT TRANSPORTATION

*****ELECTRICITY

DEF AN EFFECT CREATED BY A FLOW OF ELECTRONS OR BY AN ELECTRIC CHARGE
NT ALTERNATING CURRENT
NT DIRECT CURRENT
NT STATIC ELECTRICITY
NT THERMOELECTRICITY
RT ELECTRIC POWER
RT ELECTRICITY CONSUMPTION
RT ELECTRICITY GENERATION
RT ELECTRICITY PRICES
RT ELECTRICITY PRODUCTION
RT ELECTRICITY TARIFFS
RT POWER STATIONS
RT SOLAR FARMS
RT WIND FARMS

*****ELECTRICITY CONSUMPTION

BT ENERGY CONSUMPTION
RT ELECTRICITY
RT POWER GENERATION

*****ELECTRICITY GENERATION

DEF THE PRODUCTION OF ELECTRICITY USUALLY BY THE MOVEMENT OF AN ELECTRICAL CONDUCTOR THROUGH A MAGNETIC FIELD
BT POWER GENERATION
NT MAGNETOHYDRODYNAMICS
RT ALTERNATORS
RT DYNAMOS
RT ELECTRICITY
RT ELECTRICITY GENERATORS

*****ELECTRICITY GENERATORS

BT ELECTRIC POWER PLANTS
RT ELECTRICITY GENERATION

*****ELECTRICITY GRIDS

BT GRIDS
RT GAS GRIDS

*****ELECTRICITY PRICES

DEF THE PRICE PAID BY A CONSUMER FOR A UNIT OF ELECTRICAL ENERGY (USUALLY A KWH)
BT ENERGY PRICES
NT ELECTRICITY TARIFFS
RT ELECTRICITY
RT ELECTRICITY SALES

*****ELECTRICITY PRODUCTION

DEF THE PRODUCTION OF ELECTRICITY USING ELECTRIC POWER PLANT
RT ELECTRIC POWER PLANTS
RT ELECTRIC UTILITIES
RT ELECTRICITY

*****ELECTRICITY SALES

DEF THE SALE OF ELECTRICITY TO A CONSUMER EITHER BY AN ELECTRICITY PRODUCER OR BY A DISTRIBUTOR
RT ELECTRIC UTILITIES
RT ELECTRICITY PRICES
RT ELECTRICITY TARIFFS

*****ELECTRICITY TARIFFS

DEF A SYSTEM OF CHARGING FOR THE SUPPLY OF ELECTRICITY. OFTEN A PRICING SYSTEM WHICH HAS SEPARATE COMPONENTS FOR POWER DEMAND AND FOR ENERGY DEMAND
BT ELECTRICITY PRICES
RT ELECTRICITY
RT ELECTRICITY SALES
RT MAXIMUM DEMAND CHARGE

*****ELECTRIFICATION

NT RURAL ELECTRIFICATION

*****ELECTROMAGNETIC RADIATION

UF ELECTROMAGNETIC WAVES
NT LONGWAVE RADIATION

*****ELECTROMAGNETIC WAVES

USE ELECTROMAGNETIC RADIATION

*****ELECTROSTATIC PRECIPITATORS

UF ESP
RT AIR POLLUTION CONTROL
RT GASEOUS WASTES

*****ELUTRIATION

RT ATMOSPHERIC FLUIDISED BEDS

*****EMERGENCY FUELS

USE BLENDS

*****EMISSION CONTROL DEVICES

SN MOTOR VEHICLES
NT EXHAUST CATALYSTS
NT EXHAUST GAS RECIRCULATION
NT PARTICULATE TRAPS
NT STRATIFIED CHARGE ENGINES
RT AIR POLLUTION CONTROL
RT MOTOR VEHICLE EMISSIONS

*****EMISSIONS

NT MOTOR VEHICLE EMISSIONS
NT POWER STATION EMISSIONS
RT AIR POLLUTION
RT AIR POLLUTION CONTROL
RT EMISSION CONTROL DEVICES
RT ENGINES
RT POLLUTION
RT WOOD BURNING STOVES

*****EMULSIONS

SN ALTERNATIVE FUELS
RT BLENDS

*****END GAS

BT COMBUSTION CHAMBERS
BT KNOCK
RT AUTO IGNITION

*****ENERGY ACCOUNTING

BT ENERGY ANALYSIS
NT ENERGY AUDITS
RT ENERGY BALANCES
RT ENERGY CONSUMPTION
RT ENERGY DEMAND
RT ENERGY EFFICIENCY
RT ENERGY FORECASTING
RT ENERGY PLANNING
RT ENERGY POLICY
RT ENERGY PRICES
RT ENERGY STRATEGIES
RT ENERGY SUPPLY
RT ENERGY SYSTEMS
RT ENERGY UTILISATION
RT NET ENERGY

*****ENERGY ANALYSIS

NT ENERGY ACCOUNTING
NT ENERGY AUDITS
NT ENERGY BALANCES
NT ENERGY CONSUMPTION
NT ENERGY DEMAND
NT ENERGY EFFICIENCY
NT ENERGY FORECASTING
NT ENERGY PLANNING
NT ENERGY POLICY
NT ENERGY STRATEGIES
NT ENERGY SYSTEMS
NT ENERGY UTILISATION
NT HEAT GAIN
NT HEAT LOSSES
NT HEAT RECOVERY
RT ENERGY PRICES
RT ENERGY SUPPLY
RT INPUT OUTPUT ANALYSIS
RT NET ENERGY

*****ENERGY AUDITS

BT AUDITS
BT ENERGY ACCOUNTING
BT ENERGY ANALYSIS
BT ENERGY UTILISATION
NT ENERGY BALANCES
RT ENERGY CONSERVATION
RT ENERGY CONSUMPTION
RT ENERGY DEMAND
RT ENERGY EFFICIENCY
RT ENERGY FORECASTING
RT ENERGY PLANNING
RT ENERGY POLICY
RT ENERGY PRICES
RT ENERGY RECOVERY
RT ENERGY STRATEGIES
RT ENERGY SUPPLY
RT ENERGY SYSTEMS
RT HEAT RECOVERY

*****ENERGY BALANCES

UF HEAT BALANCES
BT ENERGY ANALYSIS
BT ENERGY AUDITS
NT ENERGY CONSUMPTION
NT ENERGY UTILISATION
RT ENERGY ACCOUNTING
RT ENERGY DEMAND
RT ENERGY EFFICIENCY
RT ENERGY FORECASTING
RT ENERGY PLANNING
RT ENERGY POLICY
RT ENERGY STRATEGIES
RT ENERGY SUPPLY
RT ENERGY SYSTEMS

*****ENERGY CONSERVATION

UF CONSERVATION (ENERGY)
BT CONSERVATION
NT ENERGY RECOVERY
NT REGENERATORS
RT AIR HEATERS
RT COGENERATION
RT ENERGY AUDITS
RT ENERGY CONSUMPTION
RT ENERGY EFFICIENCY
RT ENERGY MANAGEMENT
RT ENERGY STORAGE
RT FUEL SWITCHING
RT HEAT
RT HEAT GAIN
RT HEAT LOSSES
RT HEAT RECOVERY
RT LOW ENERGY BUILDINGS
RT LOW ENERGY CONSUMPTION
RT TOTAL ENERGY SYSTEMS

*****ENERGY CONSUMPTION

BT ENERGY ANALYSIS
BT ENERGY BALANCES
NT COAL CONSUMPTION
NT ELECTRICITY CONSUMPTION
NT FUEL CONSUMPTION
NT FUELWOOD CONSUMPTION
NT LOW ENERGY CONSUMPTION
NT OIL CONSUMPTION
RT DEMAND
RT ENERGY ACCOUNTING
RT ENERGY AUDITS
RT ENERGY CONSERVATION
RT ENERGY CRISES
RT ENERGY EFFICIENCY
RT ENERGY FORECASTING
RT ENERGY PLANNING
RT ENERGY POLICY
RT ENERGY PRICES
RT ENERGY STRATEGIES
RT ENERGY SYSTEMS
RT ENERGY UTILISATION
RT NET ENERGY
RT TOTAL ENERGY SYSTEMS

*****ENERGY CONVERSION

BT CONVERSION
NT BIOCONVERSION
NT DIRECT ENERGY CONVERSION
NT OCEAN THERMAL ENERGY CONVERSION
NT SOLAR ELECTRIC CONVERSION
NT SOLAR THERMAL CONVERSION
NT WIND ENERGY CONVERSION SYSTEMS
RT ALTERNATIVE ENERGY
RT PHOTOVOLTAICS

*****ENERGY CRISES

NT OIL CRISIS
RT ENERGY CONSUMPTION
RT ENERGY DEMAND
RT ENERGY PLANNING
RT ENERGY POLICY
RT ENERGY PRICES
RT ENERGY STRATEGIES

*****ENERGY CROPS

DEF CROPS GROWN FOR THE EXPRESS PURPOSE OF ENERGY PRODUCTION
BT ENERGY FARMING
NT CASSAVA
NT EUPHORBIA
NT GRAIN SORGHUM
NT JERUSALEM ARTICHOKES
NT MAIZE
NT OILSEEDS
NT SUGAR BEET
NT SUGAR CANE
NT SORGHUM
NT SWEET SORGHUM
NT VEGETABLE OILS
NT WOOD
RT AGROFORESTRY
RT BIOFUELS
RT BIOMASS
RT FOOD
RT LAND USE POLICIES
RT PLANTS

*****ENERGY DEMAND

UF ENERGY REQUIREMENTS
BT DEMAND
BT ENERGY ANALYSIS
NT PEAK LOAD
NT PEAK LOPPING
RT ENERGY ACCOUNTING
RT ENERGY AUDITS
RT ENERGY BALANCES
RT ENERGY CRISIS
RT ENERGY EFFICIENCY
RT ENERGY FORECASTING
RT ENERGY PLANNING
RT ENERGY POLICY
RT ENERGY PRICES
RT ENERGY STRATEGIES
RT ENERGY SUPPLY
RT ENERGY SYSTEMS
RT ENERGY UTILISATION

*****ENERGY ECONOMICS

BT ECONOMICS
RT COSTS
RT FINANCE
RT FUNDING

*****ENERGY EFFICIENCY

BT EFFICIENCY
BT ENERGY ANALYSIS
RT ENERGY ACCOUNTING
RT ENERGY AUDITS
RT ENERGY BALANCES
RT ENERGY CONSERVATION
RT ENERGY CONSUMPTION
RT ENERGY DEMAND
RT ENERGY FORECASTING
RT ENERGY PLANNING
RT ENERGY POLICY
RT ENERGY STRATEGIES
RT ENERGY SUPPLY
RT ENERGY SYSTEMS
RT ENERGY UTILISATION
RT NET ENERGY

*****ENERGY EFFICIENT BUILDINGS

USE LOW ENERGY BUILDINGS

*****ENERGY FARMING

DEF GROWING CROPS EXPRESSLY FOR ENERGY PRODUCTION
BT AGRICULTURE
NT ENERGY CROPS
RT AGROFORESTRY
RT BIOFUELS
RT BIOMASS

*****ENERGY FORECASTING

BT ENERGY ANALYSIS
BT ENERGY PLANNING
BT ENERGY POLICY
BT ENERGY STRATEGIES
BT FORECASTING
RT ENERGY ACCOUNTING
RT ENERGY AUDITS
RT ENERGY BALANCES
RT ENERGY CONSUMPTION
RT ENERGY DEMAND
RT ENERGY EFFICIENCY
RT ENERGY PRICES
RT ENERGY SUPPLY
RT ENERGY SYSTEMS
RT ENERGY UTILISATION

*****ENERGY FORMS

USE ENERGY SOURCES

*****ENERGY LOSSES

NT POWER LOSSES

*****ENERGY MANAGEMENT

BT MANAGEMENT
RT ENERGY CONSERVATION
RT PEAK LOPPING

*****ENERGY MODELLING

BT MODELLING

*****ENERGY PLANNING

BT ENERGY ANALYSIS
BT ENERGY POLICY
NT ENERGY FORECASTING
NT ENERGY STRATEGIES
RT ENERGY ACCOUNTING
RT ENERGY AUDITS
RT ENERGY BALANCES
RT ENERGY CONSUMPTION
RT ENERGY CRISES
RT ENERGY DEMAND
RT ENERGY EFFICIENCY
RT ENERGY PRICES
RT ENERGY SUPPLY
RT ENERGY SYSTEMS
RT ENERGY UTILISATION

*****ENERGY POLICY

BT ENERGY ANALYSIS
NT ENERGY FORECASTING
NT ENERGY PLANNING
NT ENERGY STRATEGIES
RT ENERGY ACCOUNTING
RT ENERGY AUDITS
RT ENERGY BALANCES
RT ENERGY CONSUMPTION
RT ENERGY CRISES
RT ENERGY DEMAND
RT ENERGY EFFICIENCY
RT ENERGY PRICES
RT ENERGY SUPPLY
RT ENERGY SYSTEMS
RT ENERGY UTILISATION

*****ENERGY PRICES

BT PRICES
NT COAL PRICES
NT ELECTRICITY PRICES
NT GAS PRICES
RT ENERGY ACCOUNTING
RT ENERGY ANALYSIS
RT ENERGY AUDITS
RT ENERGY CONSUMPTION
RT ENERGY CRISES
RT ENERGY DEMAND
RT ENERGY FORECASTING
RT ENERGY PLANNING
RT ENERGY POLICY
RT ENERGY STRATEGIES
RT ENERGY UTILISATION

*****ENERGY RECOVERY

BT ENERGY CONSERVATION
RT AIR HEATERS
RT ENERGY AUDITS
RT HEAT
RT SOLID WASTE
RT THERMODYNAMICS
RT WASTE GASES
RT WASTE HEAT RECOVERY

*****ENERGY REQUIREMENTS

USE ENERGY DEMAND

*****ENERGY RESEARCH

NT COAL RESEARCH
NT RENEWABLE ENERGY RESEARCH
RT FOSSIL FUELS
RT FUNDING
RT SYNTHETIC FUELS

*****ENERGY RESERVES

DEF ESTIMATED OR KNOWN RESOURCES THAT ARE ECONOMICALLY RECOVERABLE
RT ENERGY RESOURCES

*****ENERGY RESOURCES

NT FINITE ENERGY RESOURCES
NT RENEWABLE ENERGY RESOURCES
RT ENERGY RESERVES
RT ENERGY SOURCES

*****ENERGY SOURCES

UF ENERGY FORMS
NT BIOENERGY
NT BIOFUELS
NT FOSSIL FUELS
NT GASEOUS FUELS
NT GEOTHERMAL ENERGY
NT HYDROELECTRIC POWER
NT LIQUID FUELS
NT NUCLEAR ENERGY
NT NUCLEAR FUSION
NT OCEAN ENERGY
NT SOLAR ENERGY
NT SOLID FUELS
NT TIDAL POWER
NT WAVE ENERGY
NT WIND ENERGY
RT ENERGY RESOURCES
RT ENERGY SUBSTITUTION
RT ENERGY SUPPLY
RT WASTE HEAT

*****ENERGY STORAGE

BT STORAGE
NT BATTERIES
NT FLYWHEELS
NT FUEL CELLS
NT HEAT STORAGE
NT METAL HYDRIDES
NT PHOTOCHEMICAL ENERGY STORAGE
NT PUMPED STORAGE
NT ROCK BEDS
NT SOLAR PONDS
NT THERMAL ENERGY STORAGE
NT TROMBE WALLS
RT BATTERY VEHICLES
RT ENERGY CONSERVATION
RT LATENT HEAT

*****ENERGY STRATEGIES

BT ENERGY ANALYSIS
BT ENERGY PLANNING
BT ENERGY POLICY
NT ENERGY FORECASTING
RT ENERGY ACCOUNTING
RT ENERGY AUDITS
RT ENERGY BALANCES
RT ENERGY CONSUMPTION
RT ENERGY CRISES
RT ENERGY DEMAND
RT ENERGY EFFICIENCY
RT ENERGY PRICES
RT ENERGY SUPPLY
RT ENERGY SYSTEMS
RT ENERGY UTILISATION

*****ENERGY SUBSTITUTION

RT ENERGY SOURCES
RT FUEL SUBSTITUTION

*****ENERGY SUPPLY

BT SUPPLY
RT DEMAND
RT ENERGY ANALYSIS
RT ENERGY ACCOUNTING
RT ENERGY AUDITS
RT ENERGY BALANCES
RT ENERGY DEMAND
RT ENERGY EFFICIENCY
RT ENERGY FORECASTING
RT ENERGY PLANNING
RT ENERGY POLICY
RT ENERGY SOURCES
RT ENERGY STRATEGIES
RT ENERGY UTILISATION

*****ENERGY SYSTEMS

BT ENERGY ANALYSIS
RT ENERGY ACCOUNTING
RT ENERGY AUDITS
RT ENERGY BALANCES
RT ENERGY CONSUMPTION
RT ENERGY DEMAND
RT ENERGY EFFICIENCY
RT ENERGY FORECASTING
RT ENERGY PLANNING
RT ENERGY POLICY
RT ENERGY STRATEGIES
RT ENERGY UTILISATION

*****ENERGY TRADE

NT COAL TRADE
RT COAL MARKETS

*****ENERGY TRANSMISSION

USE ENERGY TRANSPORT

*****ENERGY TRANSPORT

UF ENERGY TRANSMISSION
NT HEAT PIPES

*****ENERGY USAGE

USE ENERGY UTILISATION

*****ENERGY USE

USE ENERGY UTILISATION

*****ENERGY UTILISATION

UF ENERGY USAGE
UF ENERGY USE
BT ENERGY ANALYSIS
BT ENERGY BALANCES
NT ENERGY AUDITS
RT ENERGY ACCOUNTING
RT ENERGY CONSUMPTION
RT ENERGY DEMAND
RT ENERGY EFFICIENCY
RT ENERGY FORECASTING
RT ENERGY PLANNING
RT ENERGY POLICY
RT ENERGY PRICES
RT ENERGY STRATEGIES
RT ENERGY SUPPLY
RT ENERGY SYSTEMS

*****ENGINE BREATHING

NT INTAKE VALVES
RT CHARGE COOLING

*****ENGINE DAMAGE

RT DETONATION
RT PRE IGNITION

*****ENGINE ECONOMY

RT ENGINE PERFORMANCE

*****ENGINE EFFICIENCY

DEF WORK DONE PER UNIT OF FUEL CONSUMED
UF SFC
UF SPECIFIC FUEL CONSUMPTION
BT EFFICIENCY
BT ENGINE PERFORMANCE
NT THERMODYNAMIC EFFICIENCY
RT FUEL EFFICIENCY
RT FUEL CONSUMPTION

*****ENGINE MAPPING

DEF PORTRAYING THE ENGINE FUEL CONSUMPTION OVER THE ENTIRE RANGE OF SPEED AND TORQUE
BT ENGINE PERFORMANCE
NT CONTOUR LINES
NT ENGINE EFFICIENCY
NT SMOKE LIMIT
RT ENGINE TESTING
RT FUEL CONSUMPTION

*****ENGINE MODELLING

BT MODELLING

*****ENGINE NOISE

NT BEARING KNOCK
NT COMBUSTION NOISE
NT KNOCK
NT MECHANICAL NOISE
NT PINKING
NT PISTON SLAP
NT RUMBLE
NT TAPPETS
NT THUD
NT WILD PING
RT DIAGNOSTICS
RT ENGINES
RT SILENCERS
RT SOUND PROOFING

*****ENGINE OUTPUT

USE ENGINE PERFORMANCE

*****ENGINE PERFORMANCE

DEF THE FULL LOAD OR WIDE OPEN THROTTLE CHARACTERISTICS OF AN ENGINE OVER ITS OPERATING SPEED RANGE
UF ENGINE OUTPUT
BT PERFORMANCE
NT ENGINE EFFICIENCY
NT ENGINE POWER
NT KNOCK LIMIT
NT SMOKE LIMIT
NT TORQUE CURVE
RT DYNAMOMETER TESTING
RT ENGINE ECONOMY
RT ENGINE MAPPING
RT ENGINE TESTING

*****ENGINE POWER

BT ENGINE PERFORMANCE

*****ENGINE STIFFNESS

RT DIESEL KNOCK

*****ENGINE TESTING

UF BENCH TESTING
BT TESTING
RT DYNAMOMETER TESTING
RT ENGINE MAPPING
RT ENGINE PERFORMANCE
RT FUEL CONSUMPTION
RT FUEL ECONOMY
RT MOTOR VEHICLE EMISSIONS

*****ENGINE VALVES

NT INTAKE VALVES

*****ENGINE WEAR

DEF ABRASION OR CORROSION OF ENGINE COMPONENTS RESULTING IN THE REMOVAL OF MATERIAL
BT WEAR
NT ABRASION
NT CORROSION
NT EROSION
RT COLD START
RT ENGINES

*****ENGINES

UF HEAT ENGINES
NT COMPRESSION IGNITION ENGINES
NT EXTERNAL COMBUSTION ENGINES
NT FREE PISTON ENGINES
NT INTERNAL COMBUSTION ENGINES
NT OTTO ENGINES
NT RECIPROCATING PISTON ENGINES
NT ROTARY COMBUSTION ENGINES
NT SPARK IGNITION ENGINES
NT STELZER ENGINES
NT STIRLING ENGINES
NT STRATIFIED CHARGE ENGINES
NT WANKEL ENGINES
RT COMBUSTION
RT EMISSIONS
RT ENGINE NOISE
RT ENGINE WEAR
RT FUELS
RT IGNITION SYSTEMS
RT LUBRICANTS

*****ENHANCED OIL RECOVERY

DEF A COLLECTIVE TERM FOR THE VARIOUS METHODS WHICH MAY BE EMPLOYED TO SECURE "TERTIARY RECOVERY" OF CRUDE OIL FROM THE RESERVOIR ROCKS OF A PRODUCING OIL FIELD
UF EOR
UF TERTIARY RECOVERY
BT OIL PRODUCTION
NT CHEMICAL INJECTION PROCESSES
NT MISCIBLE RECOVERY METHODS
NT THERMAL RECOVERY PROCESSES
RT CRUDE OIL

*****ENRICHED URANIUM

DEF URANIUM IN WHICH THE AMOUNT OF URANIUM 235 PRESENT HAS BEEN ARTIFICIALLY INCREASED ABOVE THE 0,71% FOUND IN NATURE
BT URANIUM
RT URANIUM ENRICHMENT

*****ENTRAINMENT

RT ATMOSPHERIC FLUIDISED BEDS

*****ENVIRONMENT

RT ECOSYSTEMS
RT POLLUTION

*****ENVIRONMENTAL PROTECTION AGENCY DRIVING CYCLES

USE EPA DRIVING CYCLES

*****ENZYMATIC HYDROLYSIS

BT HYDROLYSIS
RT ACID HYDROLYSIS
RT ALKALINE HYDROLYSIS
RT CELLULASE
RT ENZYMES
RT HYDROLASES

*****ENZYMES

NT AMYLASE
NT CELLULASE
NT HYDROLASES
RT ENZYMATIC HYDROLYSIS

*****EOR

USE ENHANCED OIL RECOVERY

*****EPA DRIVING CYCLES

UF ENVIRONMENTAL PROTECTION AGENCY DRIVING CYCLES
BT DRIVING CYCLES

*****EQUIPMENT

UF APPARATUS
NT DIGESTERS
NT FUEL INJECTION EQUIPMENT
NT GASIFIERS

*****EQUIVALENCE RATIO

RT AIR FUEL RATIO

*****EROSION

SN ENGINES
BT ENGINE WEAR

*****ESP

USE ELECTROSTATIC PRECIPITATORS

*****ETHACOAL

DEF A MIXTURE OF ETHANOL AND COAL IN THE FORM OF A SLURRY
BT COAL ETHANOL MIXTURES
BT SLURRY FUELS
RT ETHANOL

*****ETHANAL

USE ACETALDEHYDE

*****ETHANOL

SN ALTERNATIVE FUELS
UF ANHYDROUS ETHANOL
UF ETHYL ALCOHOL
UF FERMENTATION ALCOHOL
UF GRAIN ALCOHOL
BT ALCOHOL FUELS
BT AUTOMOTIVE FUELS
BT BIOFUELS
RT CASSAVA
RT COAL ETHANOL MIXTURES
RT ETHACOAL
RT ETHANOL PRODUCTION
RT ETHANOL WATER MIXTURES
RT GASOHOL
RT HYDROLYSIS
RT SORGHUM
RT SUGAR CANE

*****ETHANOL PETROL BLENDS

BT BLENDS

*****ETHANOL PRODUCTION

RT ETHANOL
RT ETHYL FUEL

*****ETHANOL WATER MIXTURES

RT ETHANOL
RT SLURRY FUELS

*****ETHERS

NT METHYL TERTIARY BUTYL ETHER

*****ETHYL ALCOHOL

USE ETHANOL

*****ETHYL FUEL

RT ETHANOL PRODUCTION

*****EUCALYPTS

UF EUCALYPTUS
BT TREES
RT FUELWOOD
RT WOODLOTS
RT WOOD

*****EUCALYPTUS

USE EUCALYPTS

*****EUPHORBIA

BT ENERGY CROPS
BT PLANTS
NT EUPHORBIA LATHYRUS

*****EUPHORBIA LATHYRUS

BT EUPHORBIA

*****EVACUATED TUBE COLLECTORS

UF EVACUATED TUBULAR COLLECTORS
UF VACUUM TUBE COLLECTORS
BT SOLAR COLLECTORS
RT SOLAR THERMAL POWER PLANTS
RT SOLAR WATER HEATERS
RT SOLAR WATER HEATING

*****EVACUATED TUBULAR COLLECTORS

USE EVACUATED TUBE COLLECTORS

*****EVAPORATION

UF VAPOURISATION
UF VOLATILISATION
RT CHARGE COOLING
RT DEHYDRATION
RT DISTILLATION
RT DRYING
RT EVAPORATORS

*****EVAPORATORS

NT SOLAR STILLS
RT DISTILLATION
RT EVAPORATION
RT SOLAR THERMAL POWER PLANTS

*****EXERGY

RT THERMODYNAMICS

*****EXHAUST CATALYSTS

SN SPARK IGNITION ENGINES
BT EMISSION CONTROL DEVICES
NT OXIDATION CATALYSTS
NT THREE-WAY CATALYSTS
RT EXHAUST GAS RECIRCULATION
RT STRATIFIED CHARGE ENGINES

*****EXHAUST GAS RECIRCULATION

SN SPARK IGNITION ENGINES
UF EGR
BT EMISSION CONTROL DEVICES
RT EXHAUST CATALYSTS
RT STRATIFIED CHARGE ENGINES

*****EXHAUST GASES

USE MOTOR VEHICLE EMISSIONS

*****EXINITE

BT COAL CLASSIFICATION
BT MACERALS

*****EXTERNAL COMBUSTION ENGINES

BT ENGINES
NT STEAM ENGINES
RT INTERNAL COMBUSTION ENGINES

*****F-CHART

SN COMPUTER PROGRAMS
RT SOLAR HOUSES

*****FAST BREEDER REACTORS

DEF A REACTOR THAT OPERATES WITH FAST NEUTRONS AND PRODUCES MORE FISSIONABLE MATERIAL THAN IT CONSUMES
UF FBR
BT BREEDER REACTORS
BT FAST REACTORS
NT LIQUID METAL COOLED FAST BREEDER REACTOR

*****FAST NEUTRON REACTORS

USE FAST REACTORS

*****FAST REACTORS

DEF NUCLEAR REACTORS WHICH DO NOT USE A MODERATOR AND THEREFORE OPERATE USING FAST NEUTRONS
UF FAST NEUTRON REACTORS
BT NUCLEAR REACTORS
NT BREEDER REACTORS
NT FAST BREEDER REACTORS

*****FBR

USE FAST BREEDER REACTORS

*****FEED PREPARATION

RT WASTE DERIVED FUELS

*****FEEDING SYSTEMS

SN COAL
RT PARTICLES

*****FERMENTATION

UF MICROBIAL PROCESSES
BT BIOCONVERSION
NT ALCOHOL FERMENTATION
RT CASSAVA
RT DIGESTERS
RT HYDROLYSIS
RT SACCHARIFICATION
RT SORGHUM

*****FERMENTATION ALCOHOL

USE ETHANOL

*****FILTRATION

RT FIXED BEDS

*****FINANCE

RT BUDGETS
RT CAPITAL
RT COSTS
RT ECONOMICS
RT ENERGY ECONOMICS
RT FUNDING

*****FINITE ENERGY RESOURCES

DEF KNOWN AND ASSUMED, NATURALLY OCCURRING, EXHAUSTIBLE ENERGY RESOURCES THAT ARE EITHER ALREADY OF ECONOMIC VALUE OR WHOSE ECONOMIC VALUE MAY BE ASSUMED TO BE REALISED WITHIN THE FORESEEABLE FUTURE
BT ENERGY RESOURCES

*****FINNED HEAT EXCHANGERS

BT HEAT EXCHANGERS

*****FIREWOOD

USE FUELWOOD

*****FISCHER TROPSCH SYNTHESIS

UF SYNTHINE PROCESS
RT HYDROCARBONS
RT HYDROGENATION
RT SASOL FUELS
RT SYNTHETIC FUELS

*****FISSILE MATERIALS

RT NUCLEAR FUELS
RT URANIUM

*****FISSION PRODUCTS

BT RADIOACTIVE MATERIALS

*****FIXED BED COAL GASIFICATION

BT COAL GASIFICATION

*****FIXED BEDS

UF DEEP GRANULAR BEDS
UF PACKED BEDS
BT CHEMICAL REACTORS
RT CATALYSIS
RT CATALYSTS
RT COAL GASIFICATION
RT DISTILLATION
RT FILTRATION
RT GAS PURIFICATION
RT LEACHINGS
RT POROUS PACKINGS
RT SCRUBBING
RT SOLVENT EXTRACTION

*****FLAME FRONTS

SN ENGINES
BT DETONATION

*****FLAME INITIATION

SN ENGINES
BT TURBULENCE

*****FLAME PROPAGATION

RT KNOCK
RT TURBULENCE

*****FLAMES

RT COMBUSTION

*****FLASH HEATING

USE FLASH HYDROPYROLYSIS

*****FLASH HYDROPYROLYSIS

UF FLASH HEATING
UF RAPID PYROLYSIS
BT CARBONISATION
BT PYROLYSIS
RT GASES
RT HEATING RATE
RT HYDROCARBONS
RT HYDROGENATION
RT LIQUIDS
RT TARS
RT VOLATILES

*****FLASH PYROLYSIS

DEF THERMAL DECOMPOSITION WITHOUT HIGH HYDROGEN PARTIAL PRESSURE
BT PYROLYSIS
BT THERMAL DECOMPOSITION
RT HEATING RATE

*****FLAT PLATE COLLECTORS

DEF A DEVICE WHICH ABSORBS SOLAR RADIATION ON A BLACK FLAT SURFACE USUALLY COVERED WITH A LAYER OF TRANSPARENT GLASS OR PLASTIC, AND WHICH PASSES THIS HEAT TO A FLUID (LIQUID OR GAS) USUALLY FLOWING WITHIN FIXED TUBES
BT SOLAR COLLECTORS
RT SELECTIVE SURFACES
RT SOLAR AIR HEATERS
RT SOLAR WATER HEATERS

*****FLOAT CHAMBERS

SN ENGINES
BT CARBURETTORS

*****FLOATING TIDAL PLANTS

DEF A PLANT THAT IS INSTALLED ON AN ANCHORED FLOATING BASE AND EXPLOITS THE KINETIC ENERGY OF THE TIDAL EBB AND FLOW WITH THE AID OF WATER WHEELS, SCREWS OR LOW HEAD WATER TURBINES
BT TIDAL POWER

*****FLOTATION

BT BENEFICIATION
RT COAL PREPARATION
RT COAL WASHING

*****FLUE GASES

UF STACK GASES
BT GASEOUS WASTES
RT AIR POLLUTION
RT FLY ASH
RT GAS MONITORING
RT NITROGEN OXIDES
RT PARTICULATES
RT POLLUTION CONTROL
RT SCRUBBERS
RT SULPHUR OXIDES

*****FLUID BED COAL GASIFICATION

BT COAL GASIFICATION

*****FLUID MECHANICS

NT AERODYNAMICS
NT MAGNETOHYDRODYNAMICS

*****FLUIDISATION

NT AGGREGATIVE FLUIDISATION
NT PARTICULATE FLUIDISATION
RT LIQUID FLUIDISED BEDS

*****FLUIDISED BED BOILERS

BT BOILERS
RT FLUIDISED BEDS

*****FLUIDISED BED COMBUSTION

BT COMBUSTION
BT THERMOCHEMICAL PROCESSES
RT COAL
RT FLUIDISED BEDS
RT FLUIDISED BED COMBUSTORS
RT FLUIDISATION
RT WASTE DERIVED FUELS

*****FLUIDISED BED COMBUSTORS

BT COMBUSTORS
RT FLUIDISED BED COMBUSTION

*****FLUIDISED BEDS

BT CHEMICAL REACTORS
NT ATMOSPHERIC FLUIDISED BEDS
NT BUBBLING FLUIDISED BEDS
NT CIRCULATING FLUIDISED BEDS
NT LIQUID FLUIDISED BEDS
NT PRESSURISED FLUIDISED BEDS
RT COAL
RT FIXED BEDS
RT FLUIDISED BED BOILERS
RT FLUIDISED BED COMBUSTION
RT REFUSE
RT SPOUTED BEDS

*****FLUIDISED CATALYTIC CRACKING

BT CATALYTIC CRACKING

*****FLUORESCENT CONCENTRATORS

USE LUMINESCENT SOLAR CONCENTRATORS

*****FLUORS

USE PHOSPHORS

*****FLY ASH

UF PFA
UF PULVERISED FUEL ASH
BT ASH
RT AIR POLLUTION
RT FLUE GASES
RT PARTICULATES
RT SOOT

*****FLYWHEELS

DEF A HEAVY ROTATING DEVICE USED TO STORE KINETIC ENERGY
BT ENERGY STORAGE
RT ROTORS
RT VEHICLES

*****FOOD

UF FOODSTUFFS
RT CASSAVA
RT CEREALS
RT ENERGY CROPS
RT SORGHUM
RT SUGAR BEET
RT SUGAR CANE

*****FOOD PROCESSING

USE COOKING

*****FOODSTUFFS

USE FOOD

*****FORECASTING

NT ENERGY FORECASTING

*****FOREST RESIDUES

RT FORESTRY
RT WOOD WASTES

*****FORESTRY

NT AGROFORESTRY
RT AFFORESTATION
RT DEFORESTATION
RT FOREST RESIDUES
RT FORESTS
RT MILLING RESIDUES
RT SAWMILLS
RT TREES
RT WOODLOTS

*****FORESTS

RT AFFORESTATION
RT BIOMASS
RT DEFORESTATION
RT FORESTRY
RT TREES

*****FORMALDEHYDE

DEF HIGHLY TOXIC GAS ENCOUNTERED IN AUTOMOTIVE EXHAUST GAS
SN EMISSIONS
UF METHANAL
BT ALDEHYDES
BT OXYGENATED HYDROCARBONS
NT PARA FORMALDEHYDE
RT KETONES
RT MOTOR VEHICLE EMISSIONS
RT PHOTOCHEMICAL SMOG
RT SMOG
RT TOXICITY

*****FOSSIL FUELS

BT ENERGY SOURCES
BT FUELS
NT ANTHRACITE
NT BITUMINOUS COALS
NT CHAR
NT COAL
NT CRUDE OIL
NT LIGNITE
NT NATURAL GAS
NT OIL SANDS
NT OIL SHALES
NT PEAT
NT SUB-BITUMINOUS COAL
NT SYNTHETIC FUELS
RT BRIQUETTES
RT COKE
RT ENERGY RESEARCH
RT POWER PLANTS

*****FOULING

RT ASH

*****FOULING PROPENSITY

BT COAL ANALYSIS
BT COAL PROPERTIES

*****FOUR STROKE ENGINES

BT ENGINES
BT RECIPROCATING PISTON ENGINES
RT OTTO ENGINES
RT SPARK IGNITION ENGINES

*****FRAGMENTATION

RT COMMINUTION
RT CRUSHING

*****FREE PISTON ENGINES

DEF A RECIPROCATING ENGINE IN WHICH THE PISTONS ARE NOT MECHANICALLY CONSTRAINED
BT ENGINES
BT RECIPROCATING PISTON ENGINES
NT STELZER ENGINES

*****FRESNEL LENSES

DEF A DEVICE FOR CONCENTRATING LIGHT, CONSISTING OF CONCENTRIC RINGS OF TRANSPARENT GLASS OR PLASTIC, EACH HAVING THE TOP SECTION OF AN EQUIVALENT CONVEX LENS
BT LENSES
RT SOLAR CONCENTRATORS

*****FRUCTOSE

UF LEVULOSE
BT SUGARS

*****FUEL ADDITIVES

DEF SUBSTANCES WHICH BRING ABOUT SOME DESIRED IMPROVEMENT IN THE PROPERTIES OF THE PERFORMANCE OF A FUEL WHEN ADDED TO THAT FUEL AT LOW CONCENTRATION (ABOUT 0,1%). APPLIES MAINLY TO LIQUID FUELS
UF DOPES
NT ANTI OXIDANTS
NT CETANE IMPROVERS
NT CORROSION INHIBITORS
NT IGNITION IMPROVERS
NT OCTANE IMPROVERS

*****FUEL ALTERNATIVES

USE ALTERNATIVE FUELS

*****FUEL BINDERS

RT WASTE DERIVED FUELS

*****FUEL CELLS

BT ENERGY STORAGE
RT BATTERY VEHICLES

*****FUEL CONSUMPTION

BT ENERGY CONSUMPTION
NT ALCOHOL FUELS CONSUMPTION
NT DIESEL FUELS CONSUMPTION
NT GASEOUS FUELS CONSUMPTION
NT PETROL CONSUMPTION
RT DEMAND
RT DRIVING CYCLES
RT DRIVING PATTERNS
RT ENGINE EFFICIENCY
RT ENGINE MAPPING
RT ENGINE TESTING
RT FUEL EFFICIENCY
RT FUELS

*****FUEL CYCLES

DEF THE PROCESS WHEREBY A NUCLEAR FUEL IS PRODUCED, UTILISED AND REPROCESSED
SN NUCLEAR ENERGY
NT THORIUM CYCLE
RT COSTS
RT FUELS
RT NUCLEAR FUELS
RT PLUTONIUM
RT THORIUM
RT URANIUM
RT URANIUM ENRICHMENT

*****FUEL ECONOMY

SN ENGINES
RT AIR FUEL RATIO
RT COMPRESSION RATIO
RT DRIVING CYCLES
RT ENGINE TESTING
RT FUEL EFFICIENCY
RT FUELS

*****FUEL EFFICIENCY

SN ENGINES
BT EFFICIENCY
RT AIR FUEL RATIO
RT COMPRESSION RATIO
RT DRIVING CYCLES
RT ENGINE EFFICIENCY
RT FUEL CONSUMPTION
RT FUEL ECONOMY
RT FUELS

*****FUEL GASES

BT GASEOUS FUELS
BT GASES
NT LIQUEFIED NATURAL GAS
NT LIQUEFIED PETROLEUM GAS
NT NATURAL GAS
RT SYNTHETIC FUELS

*****FUEL INJECTION

DEF THE PROCESS BY WHICH FUEL IS SUPPLIED TO DIESEL OR SPARK IGNITION ENGINES
NT CONTINUOUS FUEL INJECTION
NT HIGH PRESSURE FUEL INJECTION
NT LOW PRESSURE FUEL INJECTION
NT MANIFOLD FUEL INJECTION
NT SOLID INJECTION
NT THROTTLE BODY INJECTION
RT AIR BLAST INJECTION
RT CARBURETTORS
RT COMBUSTION
RT FUEL INJECTION EQUIPMENT
RT FUEL PUMPS

*****FUEL INJECTION EQUIPMENT

SN INTERNAL COMBUSTION ENGINES
BT EQUIPMENT
BT FUEL SYSTEMS
NT FUEL PUMPS
RT FUEL INJECTION

*****FUEL LINES

BT FUEL SYSTEMS
RT FUEL PUMPS

*****FUEL OILS

BT LIQUID FUELS
BT OILS
BT PETROLEUM PRODUCTS
NT HEAVY FUEL OIL
RT COAL OIL MIXTURES
RT DIESEL FUELS

*****FUEL PUMPS

DEF PUMPS DESIGNED TO RAISE THE PRESSURE OF AND TRANSPORT FUEL FROM THE FUEL TANK TO THE ENGINE. THESE PUMPS ALSO FORM PART OF THE FUEL INJECTION EQUIPMENT, DELIVERING THE FUEL INTO THE ENGINE'S COMBUSTION CHAMBERS
SN INTERNAL COMBUSTION ENGINES
BT FUEL INJECTION EQUIPMENT
BT PUMPS
RT FUEL INJECTION
RT FUEL LINES

*****FUEL SLURRIES

USE SLURRY FUELS

*****FUEL SUBSTITUTES

USE ALTERNATIVE FUELS

*****FUEL SUBSTITUTION

RT ALTERNATIVE FUELS
RT ENERGY SUBSTITUTION
RT FUELS

*****FUEL SWITCHING

RT ENERGY CONSERVATION

*****FUEL SYSTEMS

DEF DESCRIBES THE COMPLETE FUEL HANDLING SYSTEM ON A VEHICLE. IT INCLUDES THE FUEL TANK, LIFT PUMPS, FUEL LINES, FILTERS AND FUEL INJECTION EQUIPMENT
SN INTERNAL COMBUSTION ENGINES
NT FUEL INJECTION EQUIPMENT
NT FUEL LINES
NT FUEL TANKS

*****FUEL TANKS

BT FUEL SYSTEMS

*****FUELS

NT AIRCRAFT FUELS
NT ALCOHOL FUELS
NT ALTERNATIVE FUELS
NT AUTOMOTIVE FUELS
NT BIOFUELS
NT COAL DERIVED FUELS
NT FOSSIL FUELS
NT GASEOUS FUELS
NT HYDROGEN FUELS
NT LIQUID FUELS
NT NUCLEAR FUELS
NT PELLETISED FUELS
NT PRIMARY FUELS
NT PULVERISED FUELS
NT SLURRY FUELS
NT SOLID FUELS
NT SYNTHETIC FUELS
NT TRANSPORT FUELS
NT WASTE DERIVED FUELS
RT AIR FUEL RATIO
RT CALORIFIC VALUE
RT ENGINES
RT FUEL CONSUMPTION
RT FUEL ECONOMY
RT FUEL EFFICIENCY
RT FUEL CYCLES
RT FUEL SUBSTITUTION

*****FUELWOOD

DEF WOOD USED AS FUEL
UF FIREWOOD
UF WOOD FUELS
BT RENEWABLE ENERGY
BT RURAL ENERGY
BT SOLID FUELS
BT WOOD
RT AFFORESTATION
RT BIOMASS
RT CALORIFIC VALUE
RT CHARCOAL
RT DEFORESTATION
RT EUCALYPTS
RT FUELWOOD CONSUMPTION
RT LEUCAENA
RT SMOKE
RT STOVES
RT TREES
RT WOOD BURNING STOVES
RT WOODLOTS

*****FUELWOOD CONSUMPTION

BT ENERGY CONSUMPTION
RT FUELWOOD

*****FULL POWER JETS

USE POWER/ECONOMY JETS

*****FUNDING

RT ENERGY ECONOMICS
RT ENERGY RESEARCH
RT FINANCE

*****FURNACES

BT CHEMICAL REACTORS
RT BOILERS
RT KILNS

*****FUSINITE

BT COAL CLASSIFICATION
BT MACERALS

*****FUSION REACTORS

DEF A NUCLEAR REACTOR POWERED BY FUSION REACTIONS
UF NUCLEAR FUSION REACTORS
UF THERMONUCLEAR REACTORS
BT NUCLEAR REACTORS
BT REACTORS
NT JOINT EUROPEAN TORUS
NT MIRRORS
NT TOKOMAK REACTORS

*****GALLIUM ARSENIDE CELLS

BT PHOTOVOLTAICS

*****GAS CONDENSATES

BT NATURAL GAS LIQUIDS

*****GAS COOLED GRAPHITE MODERATED REACTORS

RT ADVANCED GAS COOLED REACTORS

*****GAS COOLED REACTORS

DEF NUCLEAR REACTORS USING A GAS AS A COOLANT MEDIUM
BT NUCLEAR REACTORS
NT ADVANCED GAS COOLED REACTORS
NT HIGH TEMPERATURE GAS COOLED REACTORS
RT MAGNOX REACTORS

*****GAS FIELDS

UF NATURAL GAS FIELDS
RT CRUDE OIL
RT NATURAL GAS

*****GAS FUELS

USE GASEOUS FUELS

*****GAS GENERATORS

USE GASIFIERS

*****GAS GRIDS

BT GRIDS
RT ELECTRICITY GRIDS

*****GAS MONITORING

RT FLUE GASES

*****GAS OILS

DEF A PETROLEUM DISTILLATE WITH A BOILING RANGE OF 200-400 DEGREES C, PREFERABLY WITH HIGH PARAFFIN CONTENT. IN MORE RECENT TIMES IT HAS BECOME THE PREFERRED FUEL FOR HIGH SPEED DIESEL ENGINES
BT PETROLEUM PRODUCTS
RT DIESEL FUELS

*****GAS PRICES

BT ENERGY PRICES
RT NATURAL GAS

*****GAS PURIFICATION

RT FIXED BEDS

*****GAS STOVES

BT STOVES

*****GAS TURBINES

BT TURBINES
BT TURBOMACHINERY
RT BRAYTON CYCLE
RT PEAK LOPPING

*****GASEOUS EFFLUENTS

USE GASEOUS WASTES

*****GASEOUS FUELS

UF GAS FUELS
BT ENERGY SOURCES
BT FUELS
NT FUEL GASES
NT NATURAL GAS
RT GASEOUS FUELS CONSUMPTION

*****GASEOUS FUELS CONSUMPTION

BT FUEL CONSUMPTION
RT GASEOUS FUELS

*****GASEOUS WASTES

UF EFFLUENTS (GASEOUS)
UF GASEOUS EFFLUENTS
BT WASTES
NT MOTOR VEHICLE EMISSIONS
NT FLUE GASES
RT ELECTROSTATIC PRECIPITATORS
RT GASES
RT INDUSTRIAL WASTES
RT PLUMES
RT STACKS
RT WASTE DISPOSAL

*****GASES

NT COMPRESSED NATURAL GAS
NT FUEL GASES
NT LIQUEFIED NATURAL GAS
NT LIQUEFIED PETROLEUM GAS
NT NATURAL GAS
NT PRODUCER GAS
NT SYNTHESIS GAS
NT SYNTHETIC NATURAL GAS
NT WOOD GAS
RT FLASH HYDROPYROLYSIS
RT GASEOUS WASTES

*****GASIFICATION

DEF ANY TECHNIQUE FOR CONVERTING COAL OR OTHER PRODUCTS INTO GASEOUS FUEL USING A GASIFICATION MEDIUM SUCH AS AIR, OXYGEN OR STEAM
BT THERMOCHEMICAL PROCESSES
NT COAL GASIFICATION
NT HYDROGASIFICATION
NT STEAM GASIFICATION
NT WOOD GASIFICATION
RT BIOMASS
RT CHAR
RT WASTE DERIVED FUELS

*****GASIFIERS

UF GAS GENERATORS
NT ASH-AGGLOMERATING GASIFIERS
NT HOT-BLAST GASIFIERS
NT KOPPERS-TOTZEK GASIFIERS
NT LURGI GASIFIERS
NT SLAGGING GASIFIERS
NT TEXACO GASIFIERS
NT WESTINGHOUSE GASIFIERS
NT WINKLER GASIFIERS
RT HYDROGASIFICATION
RT STEAM GASIFICATION

*****GASOHOL

DEF A MIXTURE OF 10% ETHANOL AND 90% UNLEADED PETROL. NOWADAYS, OFTEN USED TO COVER ANY COMBINATION OF ETHANOL/METHANOL AND PETROL
RT ALCOHOL FUELS
RT ETHANOL

*****GASOLINE

USE PETROL

*****GEOTHERMAL DISTRICT HEATING

BT DISTRICT HEATING
BT GEOTHERMAL HEATING
RT GEOTHERMAL ENERGY

*****GEOTHERMAL ENERGY

BT ALTERNATIVE ENERGY
BT ENERGY SOURCES
BT RENEWABLE ENERGY
RT GEOTHERMAL DISTRICT HEATING
RT GEOTHERMAL ENERGY RESEARCH
RT GEOTHERMAL HEATING
RT GEOTHERMAL POWER PLANTS

*****GEOTHERMAL ENERGY RESEARCH

BT RENEWABLE ENERGY RESEARCH
RT GEOTHERMAL ENERGY

*****GEOTHERMAL HEATING

BT HEATING
NT GEOTHERMAL DISTRICT HEATING
RT GEOTHERMAL ENERGY

*****GEOTHERMAL POWER PLANTS

BT POWER PLANTS
BT THERMAL POWER PLANTS
RT GEOTHERMAL ENERGY

*****GLAZING

RT SOLAR SPACE HEATING

*****GLOW PLUGS

DEF ELECTRICALLY OPERATED HEATING ELEMENTS APPLIED TO DIESEL ENGINES AS IGNITION AIDS OR COMBUSTION CHAMBER PRE-HEATERS, TO AID THE STARTING OF DIESEL ENGINES UNDER COLD CONDITIONS
UF HEATER PLUGS
RT IGNITION SYSTEMS

*****GOBAR GAS

USE BIOGAS

*****GOBAR GAS PLANTS

DEF GOBAR IS THE HINDI WORD FOR COW DUNG, HENCE, THIS IS THE INDIAN NAME FOR A BIOGAS DIGESTER
BT BIOGAS PLANTS

*****GRAIN ALCOHOL

USE ETHANOL

*****GRAIN SORGHUM

BT ENERGY CROPS
BT SORGHUM

*****GRAINS (CEREALS)

USE CEREALS

*****GREASES

RT LUBRICANTS
RT OILS

*****GREENHOUSES

BT BUILDINGS
NT SOLAR GREENHOUSES
RT LONGWAVE RADIATION
RT ROCK BEDS

*****GRIDS

DEF A NETWORK FOR THE DISTRIBUTION OF ENERGY
UF NATIONAL GRIDS
NT ELECTRICITY GRIDS
NT GAS GRIDS
NT PIPELINES
RT TRANSMISSION SYSTEMS

*****GRIMETHORPE

DEF AN EXPERIMENTAL PRESSURISED FLUIDISED BED COMBUSTOR FACILITY IN SOUTH YORKSHIRE IN THE U.K.
RT PRESSURISED FLUIDISED BEDS

*****GRINDABILITY

SN COAL
RT COAL ANALYSIS
RT COAL COMPOSITION
RT COAL PROPERTIES

*****GRINDING

BT COMMINUTION
RT BENEFICIATION
RT WEAR

*****GROSS CALORIFIC VALUE

BT CALORIFIC VALUE

*****GROSS NATIONAL PRODUCT

RT ECONOMICS
RT ECONOMY

*****H COAL PROCESS

DEF A DIRECT LIQUEFACTION PROCESS FOR THE PRODUCTION OF LIQUID FUELS FROM COAL. THE PROPRIETORY NAME GIVEN TO A LIQUEFACTION PROCESS BY THE HYDROCARBON RESEARCH COMPANY OF THE U.S.A.
BT COAL LIQUEFACTION
RT COAL DERIVED FUELS
RT SYNTHETIC FUELS

*****H2

USE HYDROGEN

*****HAND PUMPS

DEF NON-MOTORISED PUMPS
BT PUMPS
RT SOLAR PUMPS

*****HARDNESS

SN COAL
RT COAL ANALYSIS
RT COAL COMPOSITION
RT COAL PROPERTIES

*****HARTRIDGE UNITS

RT PARTICULATES

*****HEAT

NT PROCESS HEAT
NT WASTE HEAT
RT AIR HEATERS
RT ENERGY CONSERVATION
RT ENERGY RECOVERY
RT HEAT RECOVERY
RT HEAT TRANSFER
RT HEATING

*****HEAT BALANCES

USE ENERGY BALANCES

*****HEAT ENGINES

USE ENGINES

*****HEAT EXCHANGERS

DEF DEVICES FOR THE TRANSFER OF HEAT FROM A FLUID AT A HIGHER TEMPERATURE TO ANOTHER FLUID AT A LOWER TEMPERATURE
UF COOLERS
NT AIR HEAT EXCHANGERS
NT FINNED HEAT EXCHANGERS
NT HEAT WHEELS
NT PLATE HEAT EXCHANGERS
RT COOLING TOWERS
RT HEATING
RT HEAT PUMPS
RT HEAT TRANSFER
RT STEAM GENERATION

*****HEAT GAIN

BT ENERGY ANALYSIS
BT THERMODYNAMICS
RT BUILDINGS
RT DIRECT GAIN SYSTEMS
RT ENERGY CONSERVATION
RT HEAT LOSSES

*****HEAT LOSSES

BT ENERGY ANALYSIS
RT ENERGY CONSERVATION
RT HEAT GAIN

*****HEAT PIPES

BT ENERGY TRANSPORT
RT HEATING
RT HEAT TRANSPORT

*****HEAT PUMPS

UF REVERSIBLE REFRIGERATION CYCLE
BT THERMODYNAMIC CYCLES
NT SOLAR ASSISTED HEAT PUMPS
RT ELECTRIC HEATING
RT HEAT EXCHANGERS
RT HEATING
RT PUMPS
RT REFRIGERATION CYCLES
RT WASTE HEAT RECOVERY

*****HEAT RECOVERY

BT ENERGY ANALYSIS
NT WASTE HEAT RECOVERY
RT ENERGY AUDITS
RT ENERGY CONSERVATION
RT HEAT
RT RECUPERATORS
RT REGENERATORS
RT WASTE GASES

*****HEAT STORAGE

UF THERMAL STORAGE
BT ENERGY STORAGE
NT LATENT HEAT STORAGE
NT THERMAL STORAGE WALLS
NT THERMOCHEMICAL HEAT STORAGE
NT TROMBE WALLS
RT ROCK BEDS

*****HEAT STORAGE WALLS

USE THERMAL STORAGE WALLS

*****HEAT TRANSFER

RT HEAT
RT HEAT EXCHANGERS
RT HEATING
RT THERMODYNAMICS

*****HEAT TRANSPORT

RT HEAT PIPES

*****HEAT WHEELS

BT HEAT EXCHANGERS

*****HEATER PLUGS

USE GLOW PLUGS

*****HEATING

BT THERMODYNAMICS
NT AIR HEATING
NT DISTRICT HEATING
NT ELECTRIC HEATING
NT GEOTHERMAL HEATING
NT SOLAR HEATING
NT SPACE HEATING
NT SUPERHEATING
NT WATER HEATING
RT AIR CONDITIONERS
RT AIR HEATERS
RT BOILING
RT HEAT
RT HEAT EXCHANGERS
RT HEAT PIPES
RT HEAT PUMPS
RT HEAT TRANSFER
RT SPACE HVAC SYSTEMS
RT WATER HEATERS

*****HEATING RATE

RT FLASH HYDROPYROLYSIS
RT FLASH PYROLYSIS

*****HEATING VALUE

USE CALORIFIC VALUE

*****HEAVY CRUDE OIL

BT CRUDE OIL

*****HEAVY FUEL OIL

DEF REFERS TO SOME FORM OF PETROLEUM-BASED RESIDUAL FUEL OIL
UF HEAVY FURNACE FUEL
UF MARINE FUEL OIL
BT FUEL OILS

*****HEAVY FURNACE FUEL

USE HEAVY FURNACE OIL

*****HEAVY WATER COOLED REACTORS

USE HEAVY WATER REACTORS

*****HEAVY WATER REACTORS

DEF A NUCLEAR REACTOR USING HEAVY WATER (DEUTERIUM OXIDE) AS A MODERATOR
UF HEAVY WATER COOLED REACTORS
BT WATER COOLED REACTORS
NT CANDU REACTORS
RT BOILING WATER REACTORS
RT LIGHT WATER REACTORS

*****HELIOSTATS

RT SOLAR ARRAYS
RT SOLAR RECEIVERS

*****HELIUM COOLED REACTORS

USE HIGH TEMPERATURE GAS COOLED REACTORS

*****HIGH BTU GAS

USE SYNTHETIC NATURAL GAS

*****HIGH COMPRESSION ENGINES

DEF REFERS TO SPARK IGNITION ENGINES, BUT MAY ALSO BE USED FOR DIESEL ENGINES, WHICH HAVE A COMPRESSION RATIO HIGHER THAN THAT NORMALLY USED IN ENGINES OF SIMILAR SIZES
RT COMPRESSION IGNITION ENGINES
RT COMPRESSION RATIO
RT SPARK IGNITION ENGINES
RT STRATIFIED CHARGE ENGINES

*****HIGH ENERGY IGNITION SYSTEMS

DEF AN IGNITION SYSTEM THAT UTILISES EITHER HIGHER VOLTAGES OR HIGHER CURRENTS THAN CONVENTIONAL IGNITION SYSTEMS
BT IGNITION SYSTEMS
RT COLD START

*****HIGH FREQUENCY RADIATION

USE SHORT WAVE RADIATION

*****HIGH PRESSURE FUEL INJECTION

BT FUEL INJECTION

*****HIGH TEMPERATURE GAS COOLED REACTORS

DEF A NUCLEAR REACTOR DESIGNED TO OPERATE AT A HIGHER TEMPERATURE (TYPICALLY 850 DEGREES C) THAN CONVENTIONAL REACTORS. IT USES GRAPHITE MODERATION AND HELIUM COOLING
UF HELIUM COOLED REACTORS
UF HTGR
BT GAS COOLED REACTORS
RT PEBBLE BED REACTORS

*****HIGHER CALORIFIC VALUE

BT CALORIFIC VALUE

*****HOG FUEL

USE WOOD WASTES

*****HORIZONTAL AXIS WIND TURBINES

DEF A WIND TURBINE WITH ITS AXIS OF ROTATION MORE OR LESS HORIZONTAL WITH THE GROUND
BT WIND TURBINES
RT VERTICAL AXIS WIND TURBINES

*****HOSPITALS

BT BUILDINGS

*****HOT SPOT IGNITION

USE PRE IGNITION

*****HOT SPOTS

SN ENGINES
BT PRE IGNITION

*****HOT START

SN ENGINES
RT COLD START

*****HOT WATER HEATERS

USE WATER HEATERS

*****HOT-BLAST GASIFIERS

BT GASIFIERS

*****HOUSES

BT BUILDINGS
NT LOW ENERGY HOUSES
NT SOLAR HOUSES

*****HTGR

USE HIGH TEMPERATURE GAS COOLED REACTORS

*****HWANGE POWER STATION

BT POWER STATIONS

*****HYBRID VEHICLES

BT VEHICLES
RT BATTERIES
RT BATTERY VEHICLES

*****HYDRAULIC RAMS

USE PUMPS

*****HYDRO POWER

USE HYDROELECTRIC POWER OR
USE MICRO HYDRO OR
USE MINI HYDRO OR
USE OCEAN ENERGY OR
USE SMALL HYDRO OR
USE TIDAL POWER OR
USE WAVE ENERGY

*****HYDROCARBONS

DEF A LARGE FAMILY OF CHEMICAL COMPOUNDS, THE MOLECULES OF WHICH ARE STRUCTURED ENTIRELY FROM ATOMS OF CARBON AND HYDROGEN
BT ORGANIC COMPOUNDS
BT UNBURNED FUEL
NT ALDEHYDES
NT ALKANES
NT ALKENES
NT ALKYNES
NT BENZENE
NT METHANE
NT OCTANE
NT POLYCYCLIC AROMATIC HYDROCARBONS
RT AROMATICS
RT BUTYL ALCOHOL
RT CRUDE OIL
RT FISCHER TROPSCH SYNTHESIS
RT FLASH HYDROPYROLYSIS
RT PROPYL ALCOHOL

*****HYDROCRACKING

DEF A CRACKING PROCESS CARRIED OUT IN THE PRESENCE OF HYDROGEN AND WITH THE AID OF CATALYSTS, IN WHICH HEAVY HYDROCARBONS ARE CRACKED TO SIGNIFICANTLY LIGHTER PRODUCTS
BT CRACKING
RT CATALYTIC CRACKING
RT THERMAL CRACKING

*****HYDROELECTRIC POWER

DEF POWER PRODUCED BY UTILISING A HEAD OF WATER DRIVING A WATER TURBINE CONNECTED TO A GENERATOR
UF HYDRO POWER
BT ALTERNATIVE ENERGY
BT ELECTRIC POWER
BT ENERGY SOURCES
BT POWER
BT RENEWABLE ENERGY
NT MICRO HYDRO
NT MINI HYDRO
NT SMALL HYDRO
RT CAHORA BASSA SCHEME
RT DAMS
RT DRAKENSBERG PUMPED STORAGE SCHEME
RT HYDROELECTRIC POWER PLANTS
RT HYDROELECTRIC POWER STATIONS
RT ITAIPU PROJECT
RT LESOTHO HIGHLANDS PROJECT
RT ORANGE RIVER SCHEME
RT PALMIET PUMPED STORAGE SCHEME
RT POWER STATIONS
RT WATER TURBINES

*****HYDROELECTRIC POWER PLANTS

BT POWER PLANTS
RT ELECTRIC POWER PLANTS
RT HYDROELECTRIC POWER

*****HYDROELECTRIC POWER STATIONS

BT POWER STATIONS
RT HYDROELECTRIC POWER

*****HYDROELECTRIC TURBINES

USE WATER TURBINES

*****HYDROGASIFICATION

DEF THE ADDITION OF HYDROGEN TO THE PRODUCTS OF PRIMARY GASIFICATION TO OPTIMIZE FORMATION OF METHANE
BT GASIFICATION
RT GASIFIERS

*****HYDROGEN

UF H2
RT DISSOCIATED METHANOL
RT HYDROGEN FUELS
RT HYDROGEN STORAGE

*****HYDROGEN FUELS

BT ALTERNATIVE FUELS
BT AUTOMOTIVE FUELS
BT FUELS
RT HYDROGEN
RT METAL HYDRIDES

*****HYDROGEN STORAGE

BT STORAGE
RT HYDROGEN
RT METAL HYDRIDES

*****HYDROGENATION

DEF A PROCESS IN WHICH HYDROGEN IS MADE TO COMBINE ADDITIVELY WITH SOME ORGANIC FEEDSTOCK IN ORDER TO INCREASE THE HYDROGEN CONTENT OR "SATURATION" OF ITS CONSTITUENT MOLECULES
RT COAL LIQUEFACTION
RT FISCHER TROPSCH SYNTHESIS
RT FLASH HYDROPYROLYSIS

*****HYDROLASES

BT ENZYMES
RT ENZYMATIC HYDROLYSIS
RT HYDROLYSIS

*****HYDROLYSIS

DEF THE CHEMICAL PROCESS WHEREBY CARBOHYDRATE POLYMERS (STARCHES, CELLULOSE) ARE BROKEN DOWN INTO THEIR MONOMERIC (SUGARS) BUILDING BLOCKS
NT ACID HYDROLYSIS
NT ALKALINE HYDROLYSIS
NT CELLULOSE HYDROLYSIS
NT ENZYMATIC HYDROLYSIS
NT SACCHARIFICATION
NT SAPONIFICATION
RT AMYLASE
RT BAGASSE
RT CELLULASE
RT CELLULOSE
RT DIGESTERS
RT ETHANOL
RT FERMENTATION
RT HYDROLASES
RT STARCHES

*****HYGAS PROCESS

RT SYNTHETIC NATURAL GAS

*****IDLING

SN ENGINES
RT IDLING JETS

*****IDLING JETS

SN ENGINES
BT CARBURETTORS

*****IGNITION

BT COLD START
NT AUTO IGNITION
NT PRE IGNITION
NT SPONTANEOUS IGNITION
RT COMBUSTION
RT COMPRESSION IGNITION ENGINES
RT HIGH ENERGY IGNITION SYSTEMS
RT IGNITION SYSTEMS
RT SPARK IGNITION ENGINES
RT TRANSISTORISED IGNITION

*****IGNITION IMPROVERS

DEF CHEMICALS ADDED TO DIESEL FUELS IN ORDER TO IMPROVE THEIR IGNITION QUALITY (THAT IS, REDUCE IGNITION DELAY)
SN DIESEL FUELS
BT FUEL ADDITIVES
NT AMYL NITRATES
RT CETANE NUMBER
RT IGNITION DELAY
RT IGNITION QUALITY

*****IGNITION SYSTEMS

DEF A SYSTEM THAT CAUSES IGNITION OF A COMBUSTIBLE MIXTURE
NT HIGH ENERGY IGNITION SYSTEMS
RT COIL
RT ENGINES
RT GLOW PLUGS
RT IGNITION
RT SPARK PLUGS

*****INCINERATION

NT WASTE INCINERATION
RT COAL CONVERSION
RT COMBUSTION

*****INDIRECT INJECTION

DEF A DESCRIPTION OF THE PLACE OF INJECTION OF A DIESEL FUEL. HERE THE COMBUSTION CHAMBER IS DIVIDED INTO TWO AND THE FUEL IS INJECTED INTO THE SEPARATE PRECOMBUSTION CHAMBER
SN COMPRESSION IGNITION ENGINES
BT FUEL INJECTION
RT COMPRESSION IGNITION ENGINES
RT DIRECT INJECTION
RT DIVIDED CHAMBER
RT SWIRL CHAMBER

*****INDIRECT LIQUEFACTION

BT COAL LIQUEFACTION

*****INDUSTRIAL WASTES

BT WASTES
RT GASEOUS WASTES
RT LIQUID WASTES
RT ORGANIC WASTES
RT POLLUTANTS
RT SOLID WASTE
RT WASTE DERIVED FUELS

*****INDUSTRIALISED COUNTRIES

USE DEVELOPED COUNTRIES

*****INDUSTRY

NT CEMENT INDUSTRY
NT CHEMICAL INDUSTRY
NT COAL INDUSTRY
NT MINING INDUSTRY
NT MOTOR INDUSTRY
NT NUCLEAR INDUSTRY
NT OIL INDUSTRY
NT PAPER INDUSTRY
NT PAPER AND PULP INDUSTRY
NT PETROCHEMICAL INDUSTRY
NT SUGAR INDUSTRY
NT SYNTHETIC FUELS INDUSTRY
NT TIMBER INDUSTRY
RT MANUFACTURING

*****INERTIA

SN ENGINES
RT ACCELERATION

*****INERTINITE

BT COAL CLASSIFICATION
BT MACERALS

*****INJECTION QUALITY

BT DIESEL KNOCK

*****INLET MACH INDEX

RT INTAKE VALVES
RT VOLUMETRIC EFFICIENCY

*****INLET PORTS

DEF THE OPENING IN THE ENGINE THROUGH WHICH THE AIR AND FUEL IS INTRODUCED
SN ENGINES
UF INLET TRACTS
NT INLET VALVES
NT MANIFOLDS
RT SWIRL
RT VOLUMETRIC EFFICIENCY

*****INLET TRACTS

USE INLET PORTS

*****INPUT OUTPUT ANALYSIS

DEF METHOD OF INVESTIGATING THE INTERRELATIONSHIP BETWEEN THE ECONOMIC BRANCHES OF A NATIONAL ECONOMY DURING A SPECIFIC TIME PERIOD. THIS ANALYSIS ALLOWS THE CHANGES IN TOTAL DEMAND ON INTERRELATING INDUSTRIAL BRANCHES TO BE ESTIMATED
BT ECONOMICS
RT ECONOMY
RT ENERGY ANALYSIS

*****INSULATION

UF THERMAL INSULATION
RT LOW ENERGY BUILDINGS
RT SOLAR HOUSES

*****INTAKE VALVES

DEF A DEVICE THAT ALLOWS THE INTAKE MIXTURE TO ENTER THE ENGINE CYLINDER DURING THE INTAKE PHASE
SN ENGINES
BT ENGINE BREATHING
BT ENGINE VALVES
BT INLET PORTS
RT INLET MACH INDEX
RT VALVE TIMING
RT VOLUMETRIC EFFICIENCY

*****INTEGRATED UTILITY SYSTEMS

USE TOTAL ENERGY SYSTEMS

*****INTERCOOLERS

SN COMPRESSORS
UF AFTERCOOLERS
UF COOLERS
RT CHARGE COOLING
RT COMPRESSORS

*****INTERMEDIATE TECHNOLOGY

USE APPROPRIATE TECHNOLOGY

*****INTERNAL COMBUSTION ENGINES

DEF A CLASS OF ENGINES IN WHICH THE COMBUSTIBLE MIXTURE IS ITSELF THE WORKING FLUID OF THE THERMODYNAMIC CYCLE
BT ENGINES
NT COMPRESSION IGNITION ENGINES
NT ROCKET ENGINES
NT SPARK IGNITION ENGINES
NT ROTARY COMBUSTION ENGINES
RT EXTERNAL COMBUSTION ENGINES
RT GAS TURBINES
RT OTTO CYCLE
RT RECIPROCATING PISTON ENGINES
RT STIRLING ENGINES

*****IRRADIATED FUEL

DEF NUCLEAR FUEL WHICH HAS BEEN USED AS A NUCLEAR REACTOR
UF SPENT FUEL
BT NUCLEAR FUELS
RT NUCLEAR REACTORS
RT PLUTONIUM
RT RADIOACTIVE WASTES
RT SELLAFIELD
RT URANIUM

*****ISENTROPIC COMPRESSION

RT OTTO CYCLE
RT STIRLING CYCLE

*****ISENTROPIC EXPANSION

RT OTTO CYCLE
RT STIRLING CYCLE

*****ISOLATED LOCATIONS

USE REMOTE AREAS

*****ISOTOPES

NT RADIOISOTOPES

*****ITAIPU PROJECT

DEF A HYDROELECTRIC POWER PROJECT OF THE PARANA RIVER BASIN BETWEEN BRAZIL AND PARAGUAY. IT WILL CONSIST OF 18 GENERATING UNITS WHICH WILL GIVE A TOTAL RATED GENERATING CAPACITY OF 12 600 MW
RT HYDROELECTRIC POWER

*****JERUSALEM ARTICHOKES

BT ENERGY CROPS

*****JET

USE JOINT EUROPEAN TORUS

*****JIKOS

DEF A TYPE OF CHARCOAL BURNING STOVE
BT CHARCOAL STOVES

*****JOINT EUROPEAN TORUS

DEF EXPERIMENTAL FUSION REACTOR FUNDED BY THE EUROPEAN COUNTRIES
UF JET
BT FUSION REACTORS
RT TOKOMAK REACTORS

*****KEMENY COMMISSION

DEF A COMMISSION SET UP IN THE U.S.A. TO ASSESS THE SAFETY OF NUCLEAR REACTORS
RT LOSS OF COOLANT ACCIDENTS
RT MELTDOWN
RT NUCLEAR SAFETY
RT THREE MILE ISLAND

*****KENDAL POWER STATION

BT POWER STATIONS

*****KEROGEN

RT OIL SHALES
RT SHALE OIL

*****KEROGEN SHALE

USE OIL SHALES

*****KEROSENE

BT LIQUID FUELS

*****KEROSENE STOVES

BT STOVES

*****KEROSINE SHALE

USE OIL SHALES

*****KETONES

BT ORGANIC COMPOUNDS
BT UNBURNED FUEL
RT ALDEHYDES
RT FORMALDEHYDE

*****KILNS

BT CHEMICAL REACTORS
RT FURNACES
RT RECUPERATORS

*****KNOCK

DEF A FORM OF ABNORMAL COMBUSTION THAT OCCURS IN SPARK IGNITION ENGINES
SN SPARK IGNITION ENGINES
BT ABNORMAL COMBUSTION
BT ENGINE NOISE
NT DETONATION WAVES
NT END GAS
NT SHOCK WAVES
NT SPONTANEOUS IGNITION
RT AUTO IGNITION
RT BUTYL ALCOHOL
RT COMBUSTION
RT COMPRESSION RATIO
RT DIESEL KNOCK
RT FLAME PROPAGATION
RT KNOCK CONTROL
RT METHYL TERTIARY BUTYL ETHER

*****KNOCK CONTROL

RT CHARGE COOLING
RT KNOCK

*****KNOCK LIMIT

BT ENGINE PERFORMANCE
RT KNOCK

*****KNOCK RATING

USE OCTANE NUMBER

*****KOEBERG

BT NUCLEAR POWER STATIONS
RT PRESSURISED WATER REACTORS

*****KOPPERS-TOTZEK GASIFIERS

BT GASIFIERS

*****LAND USE POLICIES

RT ENERGY CROPS

*****LANDFILL GAS

USE BIOGAS

*****LANDFILL METHANE PRODUCTION

RT REFUSE

*****LANDFILLS

USE SANITARY LANDFILLS

*****LASER DOPPLER ANEMOMETRY

USE LASER ANEMOMETRY

*****LASER INDUCED FLUORESCENCE

BT LASER SPECTROSCOPY
BT LASERS

*****LASER SPECTROSCOPY

BT LASERS
BT SPECTROSCOPY
NT LASER INDUCED FLUORESCENCE
NT RAMAN SPECTROSCOPY
RT RAMAN SCATTERING

*****LASERS

NT LASER ANEMOMETRY
NT LASER INDUCED FLUORESCENCE
NT LASER SPECTROSCOPY
RT DIAGNOSTICS

*****LATENT HEAT

UF LATENT HEAT OF FUSION
UF LATENT HEAT OF VAPOURISATION
BT THERMODYNAMICS
RT DISSOCIATED METHANOL
RT ENERGY STORAGE

*****LATENT HEAT OF FUSION

USE LATENT HEAT

*****LATENT HEAT OF VAPOURISATOPN

USE LATENT HEAT

*****LATENT HEAT STORAGE

BT HEAT STORAGE

*****LEACHINGS

RT FIXED BEDS

*****LEAD

SN ENGINES
BT ANTI KNOCK
NT TETRA ETHYL LEAD
RT LEADED PETROL
RT UNLEADED PETROL

*****LEAD FREE PETROL

USE UNLEADED PETROL

*****LEAD-ACID BATTERIES

BT BATTERIES

*****LEADED GASOLINE

USE LEADED PETROL

*****LEADED PETROL

DEF PETROL TREATED WITH LEAD ADDITIVES IN ORDER TO BOOST THE ANTI-KNOCK QUALITY OR OCTANE NUMBER OF THE BASE FUEL
UF LEADED GASOLINE
BT PETROL
RT LEAD
RT MOTOR VEHICLE EMISSIONS
RT TETRA ETHYL LEAD
RT TETRA METHYL LEAD

*****LEAN BURN

RT STRATIFIED CHARGE ENGINES

*****LEAN BURN ENGINES

USE STRATIFIED CHARGE ENGINES

*****LEAN COAL

DEF COAL WITH A VOLATILE MATTER CONTENT ON AN ASH-FREE BASIS OF 12,6%-16,4%
BT COAL
RT OIL SHALES

*****LEAN PHASE CONVEYING

RT BUBBLING FLUIDISED BEDS
RT CIRCULATING FLUIDISED BEDS

*****LENSES

NT FRESNEL LENSES

*****LESOTHO HIGHLANDS PROJECT

RT HYDROELECTRIC POWER

*****LETHABO POWER STATION

BT POWER STATIONS

*****LEUCAENA

BT TREES
RT FUELWOOD
RT WOODLOTS
RT WOOD

*****LEVULOSE

USE FRUCTOSE

*****LIFE CYCLE COSTS

BT COSTS
RT COST BENEFIT ANALYSIS
RT ECONOMICS

*****LIGHT CRUDE OIL

BT CRUDE OIL

*****LIGHT WATER REACTORS

DEF A NUCLEAR REACTOR USING ORDINARY WATER AS A MODERATOR AND AS A COOLANT
BT WATER COOLED REACTORS
NT BOILING WATER REACTORS
NT PRESSURISED WATER REACTORS
RT HEAVY WATER REACTORS

*****LIGNITE

UF BROWN COAL
BT COAL
BT FOSSIL FUELS
BT SOLID FUELS
RT ANTHRACITE
RT BITUMINOUS COAL
RT COAL RANK
RT PEAT
RT SUB-BITUMINOUS COAL

*****LIMITED PRESSURE CYCLE

RT COMPRESSION IGNITION ENGINES

*****LIQUEFACTION

DEF CONVERSION OF SOLID FUELS INTO LIQUID HYDROCARBONS AND RELATED COMPOUNDS BY HYDROGENATION, SYNTHESIS OF GASES DERIVED FROM SOLID FUELS OR SOLVENT EXTRACTION
BT THERMOCHEMICAL PROCESSES
NT COAL LIQUEFACTION

*****LIQUEFIED NATURAL GAS

DEF NATURAL GAS THAT HAS BEEN LIQUEFIED BY COOLING TO TEMPERATURES BELOW ITS BOILING POINT AT ATMOSPHERIC PRESSURE (-162 DEGREES C)
UF LNG
BT AUTOMOTIVE FUELS
BT FUEL GASES
BT GASES
BT NATURAL GAS
BT NATURAL GAS LIQUIDS
RT COMPRESSED NATURAL GAS
RT LIQUID FUELS

*****LIQUEFIED PETROLEUM GAS

DEF A COLLECTIVE NAME FOR COMMERCIAL PROPANE, COMMERCIAL BUTANE AND/OR MIXTURES OF THE TWO
UF LPG
BT AUTOMOTIVE FUELS
BT FUEL GASES
BT GASES
BT NATURAL GAS LIQUIDS
BT PETROLEUM PRODUCTS
RT COMPRESSED NATURAL GAS

*****LIQUID EFFLUENTS

USE LIQUID WASTES

*****LIQUID FLUIDISED BEDS

BT CHEMICAL REACTORS
BT FLUIDISED BEDS
RT BUBBLING FLUIDISED BEDS
RT FLUIDISATION
RT SOLVENT EXTRACTION

*****LIQUID FUELS

BT ENERGY SOURCES
BT FUELS
NT DIESEL FUELS
NT FUEL OILS
NT KEROSENE
NT PETROL
RT LIQUEFIED NATURAL GAS

*****LIQUID METAL COOLED FAST BREEDER REACTORS

DEF A TYPE OF FAST REACTOR THAT USES LIQUID SODIUM AS THE COOLANT
BT FAST BREEDER REACTORS
NT SODIUM COOLED REACTORS
RT DOUNREAY FAST REACTOR

*****LIQUID PISTON PUMPS

DEF A CLASS OF GAS PUMP IN WHICH A COLUMN OF LIQUID IS USED IN PLACE OF A MECHANICAL PISTON
BT POSITIVE DISPLACEMENT PUMPS
BT PUMPS
BT RECIPROCATING PUMPS
RT CENTRIFUGAL PUMPS
RT COMPRESSORS
RT ROTARY PUMPS

*****LIQUID WASTES

UF LIQUID EFFLUENTS
BT WASTES
RT INDUSTRIAL WASTES
RT ORGANIC WASTES
RT RADIOACTIVE WASTES
RT WASTE DISPOSAL
RT WASTE PROCESSING

*****LIQUIDS

RT FLASH HYDROPYROLYSIS
RT PYROLYSIS

*****LJUNGSTROM HEATERS

BT AIR HEATERS

*****LNG

USE LIQUEFIED NATURAL GAS

*****LOAD MANAGEMENT

BT MANAGEMENT
RT ELECTRIC POWER
RT PEAK LOAD
RT PEAK LOPPING

*****LOAD TESTING

USE DYNAMOMETER TESTING

*****LOCA

USE LOSS OF COOLANT ACCIDENTS

*****LOCOMOTIVES

RT RAIL TRANSPORTATION
RT RAILWAYS

*****LONGWALL MINING

BT COAL MINING
RT BORD AND PILLAR MINING
RT OPENCAST MINING
RT STRIP MINING

*****LONGWAVE RADIATION

DEF RADIATION IN THE FAR INFRARED REGION OF THE ELECTROMAGETIC SPECTRUM (CA 10-20 MICROMETRES). IT IS EMITTED BY RADIANT SURFACES AND IN CONTRAST WITH THE SHORT-WAVE RADIATION OF THE SOLAR INFRARED SPECTRUM, IS IS NOT TRANSMITTED BY GLASS
UF LOW FREQUENCY RADIATION
UF RADIANT HEAT
BT ELECTROMAGNETIC RADIATION
BT RADIATION
RT GREENHOUSES
RT PASSIVE SOLAR HEATING
RT SELECTIVE SURFACES

*****LORENA STOVES

BT WOOD BURNING STOVES

*****LOSS OF COOLANT ACCIDENTS

DEF AN ACCIDENT IN A NUCLEAR REACTOR INVOLVING THE LOSS OF FLUID FROM THE COOLING SYSTEM
UF LOCA
BT NUCLEAR ACCIDENTS
RT KEMENY COMMISSION
RT NUCLEAR SAFETY

*****LOUGA

BT WOOD BURNING STOVES

*****LOW CALORIFIC VALUE GAS

NT PRODUCER GAS

*****LOW ENERGY BUILDINGS

DEF BUILDINGS WHICH ARE WELL INSULATED AND USE PASSIVE SOLAR HEATING/COOLING TO MINIMISE ENERGY REQUIREMENTS FROM OTHER SOURCES
UF ENERGY EFFICIENT BUILDINGS
BT BUILDINGS
NT LOW ENERGY HOUSES
RT ENERGY CONSERVATION
RT INSULATION
RT PASSIVE SOLAR ENERGY
RT ROCK BEDS
RT THERMAL STORAGE WALLS
RT TROMBE WALLS

*****LOW ENERGY CONSUMPTION

BT ENERGY CONSUMPTION
RT ENERGY CONSERVATION

*****LOW ENERGY HOUSES

UF CAPE LOW ENERGY EXPERIMENT HOUSE PROJECT
UF CLEEP PROJECT
BT HOUSES
BT LOW ENERGY BUILDINGS
RT BUILDINGS

*****LOW FREQUENCY RADIATION

USE LONGWAVE RADIATION

*****LOW PRESSURE FUEL INJECTION

BT FUEL INJECTION

*****LOWER CALORIFIC VALUE

BT CALORIFIC VALUE

*****LPG

USE LIQUEFIED PETROLEUM GAS

*****LUBRICANTS

NT LUBRICATING OILS
RT ENGINES
RT GREASES

*****LUBRICATING OILS

BT LUBRICANTS
BT OILS
BT PETROLEUM PRODUCTS
RT WASTE OILS

*****LUMINESCENCE

NT LUMINESCENT SOLAR CONCENTRATORS

*****LUMINESCENT SOLAR CONCENTRATORS

DEF SOLAR CONCENTRATORS BASED ON LIGHT ABSORPTION AND RE-EMISSION BY LUMINESCENT MOLECULES
UF FLUORESCENT CONCENTRATORS
BT LUMINESCENCE
BT SOLAR CONCENTRATORS
RT PHOSPHORS

*****LURGI GASIFIERS

BT GASIFIERS

*****MACERALS

DEF PETROLOGIC UNITS SEEN IN MICROSCOPIC SECTIONS OF COAL; THE ORGANIC UNITS COMPRISING THE COAL MASS
BT COAL CLASSIFICATION
BT PETROGRAPHY
NT EXINITE
NT FUSINITE
NT INERTINITE
NT SEMI FUSINITE
NT VITRINITE
RT COAL RANK
RT COAL STRUCTURE

*****MACHINE WEAR RATES

SN COAL
RT COAL ANALYSIS
RT COAL PROPERTIES

*****MAGNESIUM SULPHATE

RT SALT GRADIENT SOLAR PONDS

*****MAGNETOHYDRODYNAMICS

UF MHD
BT ELECTRICITY GENERATION
BT FLUID MECHANICS

*****MAGNOX REACTORS

DEF A U.K. NUCLEAR REACTOR USING A MAGNESIUM ALLOY FUEL SHEATH, NATURAL URANIUM AS FUEL, GRAPHITE AS A MODERATOR AND CARBON DIOXIDE AS A COOLANT
BT ADVANCED GAS COOLED REACTORS
BT GAS COOLED REACTORS

*****MAGNUS

DEF BRITAIN'S LARGEST OFFSHORE OIL FIELD SITUATED IN THE NORTH SEA
BT OIL FIELDS
RT OFFSHORE OPERATIONS

*****MAIN JETS

SN ENGINES
BT CARBURETTORS

*****MAIZE

BT ENERGY CROPS

*****MAIZE STOVER AND COBS

BT CROP RESIDUES

*****MAJUBA POWER STATION

BT POWER STATIONS

*****MANAGEMENT

UF ADMINISTRATION
NT ENERGY MANAGEMENT
NT LOAD MANAGEMENT
NT WASTE MANAGEMENT

*****MANDIOCA

USE CASSAVA

*****MANIFOLD FUEL INJECTION

BT FUEL INJECTION

*****MANIFOLDS

SN ENGINES
RT CARBURETTORS

*****MANIHOT ESCULENTA

USE CASSAVA

*****MANIOC

USE CASSAVA

*****MANUFACTURING

RT INDUSTRY

*****MANURES

USE DUNG

*****MARGINAL COSTS

DEF THE ADDITIONAL COST WHICH ARISES FROM THE EXPANSION OF PRODUCTION BY ONE ADDITIONAL UNIT
BT COSTS
RT ELECTRIC POWER PLANTS

*****MARINE FUEL OIL

USE HEAVY FURNACE OIL

*****MARINE TRANSPORTATION

BT TRANSPORTATION
NT BOATS
NT SHIPS
NT TANKERS
RT PASSENGER TRANSPORTATION

*****MARKETING

RT ECONOMICS

*****MARSH GAS

USE BIOGAS

*****MATIMBA POWER STATION

BT POWER STATIONS

*****MATLA POWER STATION

BT POWER STATIONS

*****MAXIMUM DEMAND CHARGES

RT ELECTRICITY TARIFFS

*****MECHANICAL NOISE

SN ENGINES
BT ENGINE NOISE

*****MEDIUM CRUDE OIL

BT CRUDE OIL

*****MELTDOWN

BT NUCLEAR ACCIDENTS
RT KEMENY COMMISSION

*****MERCURY STEAM CYCLE

BT BINARY CYCLE

*****METAL HYDRIDES

BT ENERGY STORAGE
RT HYDROGEN FUELS
RT HYDROGEN STORAGE

*****METAL STOVES

BT STOVES
RT WOOD BURNING STOVES

*****METALLURGICAL COAL

DEF COAL WITH STRONG OR MODERATELY STRONG COKING PROPERTIES THAT CONTAINS NO MORE THAN 8,0% ASH AND 1,25% SULPHUR, AS MINES OR AFTER CONVENTIONAL CLEANING
BT COAL
RT METALLURGICAL COAL CONSUMPTION

*****METALLURGICAL COAL CONSUMPTION

BT COAL CONSUMPTION
RT METALLURGICAL COAL

*****METALLURGICAL COAL PRODUCTION

BT COAL PRODUCTION
RT METALLURGICAL COAL

*****METHA-ANTHRACITE

BT ANTHRACITE

*****METHACOAL

BT COAL METHANOL MIXTURES
BT SLURRY FUELS
RT METHANOL

*****METHANAL

USE FORMALDEHYDE

*****METHANE

BT ALKANES
BT AUTOMOTIVE FUELS
BT HYDROCARBONS
RT ANAEROBIC DIGESTION
RT BIOGAS
RT DIGESTERS
RT DUNG
RT NATURAL GAS
RT WASTE DERIVED FUELS

*****METHANOL

SN ALTERNATIVE FUELS
UF METHYL ALCOHOL
UF WOOD ALCOHOL
BT ALCOHOL FUELS
BT AUTOMOTIVE FUELS
BT BIOFUELS
BT COAL DERIVED FUELS
NT DISSOCIATED METHANOL
RT COAL
RT METHACOAL
RT METHANOL PRODUCTION
RT MOBIL M GASOLINE PROCESS

*****METHANOL PETROL BLENDS

BT BLENDS

*****METHANOL PRODUCTION

RT METHANOL
RT METHYL FUEL

*****METHYL ALCOHOL

USE METHANOL

*****METHYL FUEL

RT METHANOL PRODUCTION

*****METHYL TERTIARY BUTYL ETHER

DEF AN ETHER COMPOUND USED AS AN OCTANE IMPROVER FOR SPARK IGNITION FUELS
UF MTBE
BT ETHERS
BT OCTANE IMPROVERS
RT KNOCK
RT SPARK IGNITION ENGINES
RT TERTIARY BUTYL ALCOHOL
RT TETRA ETHYL LEAD
RT TETRA METHYL LEAD

*****MHD

USE MAGNETOHYDRODYNAMICS

*****MICRO HYDRO

DEF GENERATION OF HYDROELECTRIC POWER OF LESS THAN 500 KW
UF HYDRO POWER
UF MICRO-SCALE HYDROELECTRIC POWER
BT HYDROELECTRIC POWER
BT RURAL ENERGY
RT MINI HYDRO
RT SMALL HYDRO

*****MICRO TURBULENCE

SN ENGINES
BT TURBULENCE

*****MICRO-SCALE HYDROELECTRIC POWER

USE MICRO HYDRO

*****MICROBIAL PROCESSES

USE ANAEROBIC DIGESTION OR
USE BIOCONVERSION OR
USE FERMENTATION

*****MICROPOROSITY

BT COAL STRUCTURE
BT POROSITY

*****MILLING (COMMINUTION)

USE COMMINUTION

*****MILLING RESIDUES

RT FORESTRY

*****MINERAL OILS

BT OILS
NT SHALE OIL

*****MINI HYDRO

DEF THE GENERATION OF HYDROELECTRIC POWER OF LESS THAN 2 MW
UF HYDRO POWER
UF MINI-SCALE HYDROELECTRIC POWER
BT HYDROELECTRIC POWER
RT MICRO HYDRO
RT SMALL HYDRO
RT WATER TURBINES

*****MINING

NT COAL MINING
NT UNDERGROUND MINING
NT WINNING

*****MINING INDUSTRY

BT INDUSTRY

*****MIRRORS

DEF A FUSION REACTOR CONCEPT USING A REFLECTION CONFINEMENT SYSTEM
SN NUCLEAR ENERGY
BT FUSION REACTORS

*****MISCIBLE RECOVERY METHODS

BT ENHANCED OIL RECOVERY

*****MISFIRE

BT ABNORMAL COMBUSTION
BT DRIVEABILITY

*****MIXTURE CONTROL

RT STRATIFIED CHARGE ENGINES

*****MIXTURE STRENGTH

USE AIR FUEL RATIO

*****MIXTURES (FUELS)

USE BLENDS

*****MOBIL M GASOLINE PROCESS

DEF A PROCESS FOR PRODUCING GASOLINE FROM METHANOL USING A SELECTIVE CATALYST
RT METHANOL
RT SYNTHETIC CRUDE OIL
RT SYNTHETIC FUELS
RT ZEOLITES

*****MOD 2

RT MOD 5
RT WIND FARMS
RT WIND TURBINES

*****MOD 5

RT MOD 2
RT WIND FARMS
RT WIND TURBINES

*****MODELLING

UF SIMULATION
NT ENERGY MODELLING
NT ENGINE MODELLING
RT DRIVING CYCLES
RT DYNAMOMETER TESTING

*****MODELS

RT MODELLING

*****MOLASSES

RT SUGAR CANE
RT SUGARS

*****MOLECULAR SPECTROSCOPY

BT SPECTROSCOPY
NT RAMAN SPECTROSCOPY

*****MOSSEL BAY PROJECT

BT OIL EXPLORATION
RT OFFSHORE OPERATIONS

*****MOTOR CARS

USE MOTOR VEHICLES

*****MOTOR INDUSTRY

BT INDUSTRY

*****MOTOR OCTANE NUMBER

BT OCTANE NUMBER

*****MOTOR SPIRIT

USE PETROL

*****MOTOR VEHICLE EMISSIONS

DEF EXHAUST GASES FROM VEHICULAR INTERNAL COMBUSTION ENGINES
UF EXHAUST GASES
BT EMISSIONS
BT GASEOUS WASTES
NT ALDEHYDES
NT CARBON DIOXIDE
NT CARBON MONOXIDE
NT NITROGEN OXIDES
NT PARTICULATES
NT SMOKE
NT SULPHUR DIOXIDE
NT UNBURNED FUEL
RT AIR POLLUTION
RT AIR POLLUTION CONTROL
RT EMISSION CONTROL DEVICES
RT ENGINE TESTING
RT FORMALDEHYDE
RT NITROUS OXIDES
RT PETROL
RT PHOTOCHEMICAL SMOG
RT SMOG
RT STOICHIOMETRY
RT UNLEADED PETROL

*****MOTOR VEHICLES

UF MOTOR CARS
BT VEHICLES

*****MOTORCYCLES

BT VEHICLES

*****MSW

USE WASTE DERIVED FUELS

*****MTBE

USE METHYL TERTIARY BUTYL ETHER

*****MUD STOVES

DEF STOVES MADE FROM CLAY AND SAND MIXTURES WITH THE AIM OF IMPROVING THE EFFICIENCY OF FUEL COMBUSTION FOR COOKING AND HEATING, USUALLY IN DEVELOPING AREAS
BT STOVES
RT CERAMIC STOVES
RT CHARCOAL STOVES
RT WOOD BURNING STOVES

*****MULCHES

SN ALTERNATIVE FUELS
RT BLENDS

*****MULTIFUEL BOILERS

BT BOILERS

*****MULTIFUEL ENGINES

DEF INTERNAL COMBUSTION ENGINES SO EQUIPPED THAT THEY CAN RUN ON MORE THAN ONE FUEL, BUT USUALLY NOT SIMULTANEOUSLY
RT DUAL FUEL ENGINES

*****MULTIJUNCTION CELLS

BT PHOTOVOLTAICS

*****MUNICIPAL SOLID WASTE

USE WASTE DERIVED FUELS

*****N2O

USE NITROUS OXIDES

*****NAPHTHENIC CRUDE OIL

BT CRUDE OIL

*****NATIONAL GRIDS

USE GRIDS

*****NATURAL GAS

BT FOSSIL FUELS
BT FUEL GASES
BT GASEOUS FUELS
BT GASES
NT ASSOCIATED GAS
NT DRY GAS
NT LIQUEFIED NATURAL GAS
NT NON-ASSOCIATED GAS
NT SYNTHETIC NATURAL GAS
NT WET GAS
RT CRUDE OIL
RT GAS FIELDS
RT GAS PRICES
RT METHANE
RT NATURAL GAS LIQUIDS

*****NATURAL GAS FIELDS

USE GAS FIELDS

*****NATURAL GAS LIQUIDS

DEF LIQUID HYDROCARBON MIXTURES THAT ARE GASEOUS AT RESERVOIR TEMPERATURES AND PRESSURES, BUT ARE RECOVERABLE BY CONDENSATION OR ABSORPTION
UF NATURAL GASOLINE
UF NGL
NT GAS CONDENSATES
NT LIQUEFIED NATURAL GAS
NT LIQUEFIED PETROLEUM GAS
RT NATURAL GAS

*****NATURAL GASOLINE

USE NATURAL GAS LIQUIDS

*****NET CALORIFIC VALUE

UF NET HEATING VALUE
UF NET SPECIFIC ENERGY
BT CALORIFIC VALUE

*****NET ENERGY

DEF DIFFERENCE OF ENERGY OUTPUT AND ENERGY INPUT
RT EFFICIENCY
RT ENERGY ACCOUNTING
RT ENERGY ANALYSIS
RT ENERGY CONSUMPTION
RT ENERGY EFFICIENCY

*****NET HEATING VALUE

USE NET CALORIFIC VALUE

*****NET SPECIFIC ENERGY

USE NET CALORIFIC VALUE

*****NEW ENERGY TECHNOLOGIES

USE APPROPRIATE TECHNOLOGY

*****NGL

USE NATURAL GAS LIQUIDS

*****NITROGEN OXIDES

DEF COMPOUNDS OF NITROGEN AND OXYGEN PRODUCED BY THE BURNING OF FOSSIL FUELS. THEY CONTRIBUTE TO THE FORMATION OF SMOG
SN EMISSIONS
UF NOX
UF OXIDES OF NITROGEN
BT MOTOR VEHICLE EMISSIONS
BT POLLUTANTS
BT POWER STATION EMISSIONS
NT NITROUS OXIDES
RT ACID RAIN
RT ACID SMUTS
RT AIR POLLUTION
RT FLUE GASES
RT PARTICULATES
RT POLYCYCLIC AROMATIC HYDROCARBONS
RT SMOG
RT UNBURNED FUEL

*****NITROUS OXIDES

UF N2O
BT NITROGEN OXIDES
RT MOTOR VEHICLE EMISSIONS

*****NON-ASSOCIATED GAS

BT NATURAL GAS

*****NON-CONVENTIONAL ENERGY

USE ALTERNATIVE ENERGY

*****NONRADIOACTIVE WASTE DISPOSAL

USE WASTE DISPOSAL

*****NORMAL COMBUSTION

BT COMBUSTION
RT ABNORMAL COMBUSTION
RT COMBUSTION CHAMBERS
RT OTTO ENGINES
RT SPARK IGNITION ENGINES

*****NOX

USE NITROGEN OXIDES

*****NUCLEAR ACCIDENTS

DEF AN ACCIDENT IN A NUCLEAR REACTOR
UF NUCLEAR REACTOR ACCIDENTS
UF REACTOR ACCIDENTS
BT NUCLEAR SAFETY
NT LOSS OF COOLANT ACCIDENTS
NT MELTDOWN
RT CHERNOBYL
RT KEMENY COMMISSION
RT NUCLEAR REACTORS
RT SELLAFIELD
RT THREE MILE ISLAND

*****NUCLEAR ENERGY

DEF ENERGY CREATED BY THE FISSION PROCESS USING URANIUM OR PLUTONIUM, OR BY THE FUSION PROCESS USING DEUTERIUM OR TRITIUM
UF ATOMIC ENERGY
BT ALTERNATIVE ENERGY
BT ENERGY RESOURCES
NT NUCLEAR FISSION
NT NUCLEAR FUSION
RT NUCLEAR POWER PLANTS
RT NUCLEAR POWER STATIONS

*****NUCLEAR FISSION

DEF THE PROCESS WHEREBY A HEAVY ELEMENT SUCH AS URANIUM OR PLUTONIUM SPLITS INTO TWO SMALLER NUCLEI WITH THE RELEASE OF ENERGY
BT NUCLEAR ENERGY
RT NUCLEAR FUSION

*****NUCLEAR FUELS

DEF FUELS USED IN A NUCLEAR REACTOR
UF REACTOR FUELS
BT FUELS
BT PRIMARY FUELS
NT IRRADIATED FUEL
NT PLUTONIUM
NT THORIUM
NT URANIUM
RT FISSILE MATERIALS
RT FUEL CYCLES
RT NUCLEAR REACTORS
RT RADIOACTIVE WASTE MANAGEMENT

*****NUCLEAR FUSION

DEF THE PROCESS WHEREBY TWO LIGHT NUCLEI, SUCH AS DEUTERIUM, ARE CAUSED TO FUSE TOGETHER WITH THE RESULTANT RELEASE OF ENERGY
BT ENERGY SOURCES
BT NUCLEAR ENERGY
RT NUCLEAR FISSION

*****NUCLEAR INDUSTRY

BT INDUSTRY

*****NUCLEAR POWER

DEF POWER GENERATED BY NUCLEAR FISSION OR NUCLEAR FUSION
UF ATOMIC POWER
BT POWER
RT ELECTRIC POWER
RT NUCLEAR ENERGY
RT NUCLEAR POWER PLANTS
RT NUCLEAR POWER STATIONS
RT POWER GENERATION

*****NUCLEAR POWER PLANTS

DEF PLANT FOR THE PRODUCTION OF POWER BY THE MEANS OF NUCLEAR FISSION OR NUCLEAR FUSION
BT POWER PLANTS
BT THERMAL POWER PLANTS
RT NUCLEAR ENERGY
RT NUCLEAR POWER STATIONS

*****NUCLEAR POWER STATIONS

BT POWER STATIONS
NT CHERNOBYL
NT KOEBERG
NT SIZEWELL B
NT THREE MILE ISLAND
RT NUCLEAR POWER
RT NUCLEAR POWER PLANTS

*****NUCLEAR REACTOR ACCIDENTS

USE NUCLEAR ACCIDENTS

*****NUCLEAR REACTORS

DEF THE PART OF A NUCLEAR POWER PLANT WITHIN WHICH THE NUCLEAR REACTION TAKES PLACE
BT REACTORS
NT BOILING WATER REACTORS
NT BREEDER REACTORS
NT FAST BREEDER REACTORS
NT GAS COOLED REACTORS
NT HEAVY WATER REACTORS
NT LIGHT WATER REACTORS
NT PRESSURISED WATER REACTORS
NT SODIUM COOLED REACTORS
NT WATER COOLED REACTORS
RT CRITICALITY
RT IRRADIATED FUEL
RT NUCLEAR FUELS
RT NUCLEAR POWER PLANTS
RT NUCLEAR SAFETY
RT PLUTONIUM
RT REACTOR PRESSURE VESSELS

*****NUCLEAR SAFETY

DEF SAFETY MATTERS CONCERNED WITH NUCLEAR PLANT
UF RADIATION SAFETY
UF REACTOR SAFETY
BT SAFETY
RT KEMENY COMMISSION
RT LOSS OF COOLANT ACCIDENTS
RT NUCLEAR ACCIDENTS
RT NUCLEAR REACTORS

*****NUCLEAR WASTE MANAGEMENT

USE RADIOACTIVE WASTE MANAGEMENT

*****NUCLEAR WASTES

USE RADIOACTIVE WASTES

*****NUCLEAR-GENERATED ELECTRICITY

CT NUCLEAR ENERGY
+ POWER GENERATION

*****OCEAN ENERGY

DEF ENERGY HARNESSED THROUGH THE EXPLOITATION OF THE PHYSICAL OR CHEMICAL CHARACTERISTICS OF OCEANS
UF HYDRO POWER
BT ALTERNATIVE ENERGY
BT ENERGY SOURCES
BT RENEWABLE ENERGY
NT OCEAN THERMAL ENERGY CONVERSION
NT OCEAN THERMAL GRADIENTS
NT SALINITY GRADIENT ENERGY
NT TIDAL POWER
NT WAVE ENERGY

*****OCEAN TEMPERATURE DIFFERENCE

USE OCEAN THERMAL GRADIENTS

*****OCEAN THERMAL ENERGY CONVERSION

DEF ENERGY OBTAINED THROUGH EXPLOITING THE TEMPERATURE DIFFERENCE BETWEEN SURFACE AND SUBSURFACE LAYERS OF SEAWATER
UF OTEC
BT ENERGY CONVERSION
BT OCEAN ENERGY
RT OCEAN THERMAL GRADIENTS
RT POWER GENERATION
RT RANKINE CYCLE
RT SOLAR ELECTRIC CONVERSION
RT SOLAR THERMAL CONVERSION

*****OCEAN THERMAL GRADIENTS

DEF TEMPERATURE DIFFERENCES BETWEEN DEEP OCEAN WATER AND SURFACE WATER
UF OCEAN TEMPERATURE DIFFERENCE
BT OCEAN ENERGY
RT OCEAN THERMAL ENERGY CONVERSION

*****OCTANE

DEF IN THE FUEL TECHNOLOGY CONTEXT, OCTANE REFERS TO A PARTICULAR ISOMER OF OCTANE
SN FUELS
BT ALKANES
BT HYDROCARBONS
RT ANTI KNOCK
RT OCTANE IMPROVERS
RT OCTANE NUMBER

*****OCTANE IMPROVERS

UF ANTI KNOCK ADDITIVES
BT FUEL ADDITIVES
NT METHYL TERTIARY BUTYL ETHER
NT TERTIARY BUTYL ALCOHOL
RT OCTANE

*****OCTANE NUMBER

DEF A MEASUREMENT OF THE ANTI KNOCK QUALITY OF PETROL, THAT IS, THE FUEL'S ABILITY TO RESIST DETONATION DURING COMBUSTION IN A SPARK IGNITION ENGINE
UF KNOCK RATING
UF OCTANE RATING
NT DISTRIBUTION OCTANE NUMBER
NT MOTOR OCTANE NUMBER
NT RESEARCH OCTANE NUMBER
NT ROAD OCTANE NUMBER
RT OCTANE

*****OCTANE RATING

USE OCTANE NUMBER

*****OFFSHORE DRILLING

RT OFFSHORE OPERATIONS

*****OFFSHORE OPERATIONS

DEF ALL ACTIVITIES ASSOCIATED WITH THE RECOVERY OF CRUDE OIL AND NATURAL GAS FROM SUBMARINE OIL AND GAS FIELDS
RT MOSSEL BAY PROJECT
RT OFFSHORE DRILLING

*****OIL CONSUMPTION

BT ENERGY CONSUMPTION
RT CRUDE OIL
RT OIL PRODUCTION

*****OIL CRISIS

BT ENERGY CRISES
RT OIL PRICES
RT OIL PRODUCTION
RT OPEC

*****OIL EXPLORATION

NT MOSSEL BAY PROJECT
RT OFFSHORE OPERATIONS

*****OIL EXPORTING COUNTRIES

NT OPEC

*****OIL FIELDS

NT MAGNUS
RT CRUDE OIL

*****OIL FROM COAL

UF COAL DERIVED OIL
BT SYNTHETIC FUELS
NT SYNTHETIC CRUDE OIL

*****OIL INDUSTRY

BT INDUSTRY

*****OIL PRICES

BT ENERGY PRICES
RT CRUDE OIL
RT OIL CRISIS
RT OPEC

*****OIL PRODUCTION

NT ENHANCED OIL RECOVERY
RT CRUDE OIL
RT OIL CONSUMPTION
RT OIL CRISIS
RT OPEC

*****OIL SANDS

DEF BEDS OF SAND OR LIGHTLY CONSOLIDATED SANDSTONE THAT HAVE BECOME IMPREGNATED WITH HYDROCARBONS
UF TAR SANDS
BT FOSSIL FUELS
BT SYNTHETIC FUELS
RT OIL SHALES

*****OIL SHALES

DEF SHALES CONTAINING SUBSTANTIAL AMOUNTS OF KEROGEN
UF CANNEL COAL
UF CANNEL SHALE
UF KEROGEN SHALE
UF KEROSINE SHALE
UF TORBANITE
BT FOSSIL FUELS
RT COAL
RT KEROGEN
RT LEAN COAL
RT OIL SANDS
RT SHALE OIL
RT TOSCO PROCESS

*****OILS

NT FUEL OILS
NT LUBRICATING OILS
NT MINERAL OILS
NT VEGETABLE OILS
NT WASTE OILS
RT GREASES
RT PETROLEUM PRODUCTS

*****OILSEEDS

BT ENERGY CROPS

*****OLEFINS

USE ALKENES

*****OLIVE OIL

BT VEGETABLE OILS

*****OPEC

DEF AN ORGANISATION OF PETROLEUM PRODUCERS SET UP TO CONTROL THE PRODUCTION AND PRICE OF OIL
UF ORGANISATION OF PETROLEUM EXPORTING COUNTRIES
BT OIL EXPORTING COUNTRIES
RT OIL CRISIS
RT OIL PRICES
RT OIL PRODUCTION

*****OPEN CYCLE

BT BRAYTON CYCLE

*****OPEN PIT MINING

USE OPENCAST MINING

*****OPENCAST MINING

UF OPEN PIT MINING
BT COAL MINING
RT BORD AND PILLAR MINING
RT STRIP MINING
RT UNDERGROUND MINING

*****OPERATING COSTS

BT COSTS

*****ORANGE RIVER SCHEME

RT HYDROELECTRIC POWER

*****ORE DRESSING

NT BENEFICIATION
NT COAL GRINDING
NT COAL WASHING
NT PULVERISATION
RT CRUSHING
RT CRUSHING

*****ORGANIC COMPOUNDS

NT AROMATICS
NT HYDROCARBONS
NT KETONES
NT POLYCYCLIC AROMATIC HYDROCARBONS
RT CHEMICAL FEEDSTOCKS

*****ORGANIC WASTES

BT WASTES
NT AGRICULTURAL RESIDUES
NT BAGASSE
NT DUNG
NT REFUSE
NT SAWDUST
NT SEWAGE
NT STILLAGE
RT INDUSTRIAL WASTES
RT LIQUID WASTES
RT SOLID WASTES

*****ORGANISATION OF PETROLEUM EXPORTING COUNTRIES

USE OPEC

*****OSCILLATING WATER COLUMNS

DEF A WAVE ENERGY DEVICE
SN WAVE ENERGY
BT WAVE ENERGY DEVICES
RT DUCKS
RT SEA CLAMS
RT WAVE ENERGY

*****OSMOTIC POWER

USE SALINITY GRADIENT ENERGY

*****OTEC

USE OCEAN THERMAL ENERGY CONVERSION

*****OTTO CYCLE

DEF A THERMODYNAMIC CYCLE COMPRISING ISENTROMIC COMPRESSION, HEAT INPUT AT CONSTANT VOLUME, ISENTROPIC EXPANSION HEAT REJECTION AT CONSTANT VOLUME
UF CONSTANT VOLUME CYCLE
UF SPARK IGNITION CYCLE
BT THERMODYNAMIC CYCLES
RT COMPRESSION RATIO
RT DIESEL CYCLE
RT INTERNAL COMBUSTION ENGINES
RT ISENTROPIC COMPRESSION
RT ISENTROPIC EXPANSION
RT OTTO ENGINES
RT RANKINE CYCLE
RT SPARK IGNITION ENGINES
RT STIRLING CYCLE

*****OTTO CYCLE ENGINES

USE OTTO ENGINES

*****OTTO ENGINES

DEF ENGINES IN WHICH THE FUEL AND AIR IS PREMIXED AND IGNITED BY AN ELECTRICAL DISCHARGE (SPARK). BASED ON THE OTTO CYCLE
UF OTTO CYCLE ENGINES
BT ENGINES
RT COMPRESSION IGNITION ENGINES
RT FOUR STROKE ENGINES
RT GAS TURBINES
RT NORMAL COMBUSTION
RT OTTO CYCLE
RT SPARK IGNITION ENGINES
RT STELZER ENGINES
RT STRATIFIED CHARGE ENGINES
RT TURBOCHARGERS
RT TWO STROKE ENGINES
RT WANKEL ENGINES

*****OVENS

NT COKE OVENS
NT SOLAR OVENS
RT STOVES

*****OVERHEATING

SN ENGINES
RT PRE IGNITION

*****OXIDATION CATALYSTS

SN SPARK IGNITION ENGINES
BT EXHAUST CATALYSTS
RT THREE-WAY CATALYSTS

*****OXIDATION INHIBITORS

USE ANTI OXIDANTS

*****OXIDES OF NITROGEN

USE NITROGEN OXIDES

*****OXYGENATED HYDROCARBONS

NT ALDEHYDES
NT BUTYL ALCOHOL
NT FORMALDEHYDE
NT PROPYL ALCOHOL

*****OZONE

BT PHOTOCHEMICAL SMOG

*****PACKED BEDS

USE FIXED BEDS

*****PAH

USE POLYCYCLIC AROMATIC HYDROCARBONS

*****PALMIET PUMPED STORAGE SCHEME

BT PUMPED STORAGE
RT HYDROELECTRIC POWER

*****PAN

USE PEROXYLACETYL NITRATES

*****PAPER AND PULP INDUSTRY

BT INDUSTRY
RT PAPER INDUSTRY

*****PAPER INDUSTRY

BT INDUSTRY
RT PAPER AND PULP INDUSTRY

*****PARA FORMALDEHYDE

BT FORMALDEHYDE

*****PARABOLIC COLLECTORS

BT SOLAR COLLECTORS
NT PARABOLIC DISH COLLECTORS
NT PARABOLIC TROUGH COLLECTORS

*****PARABOLIC DISH COLLECTORS

UF CIRCULAR POINT COLLECTORS
UF PARABOLIC POINT COLLECTORS
BT CONCENTRATING COLLECTORS
BT PARABOLIC COLLECTORS
BT SOLAR COLLECTORS
RT PARABOLIC DISHES
RT PARABOLIC REFLECTORS

*****PARABOLIC DISHES

BT PARABOLIC REFLECTORS
BT SOLAR CONCENTRATORS
RT PARABOLIC DISH COLLECTORS
RT SOLAR COOKERS

*****PARABOLIC FOCUSSING COLLECTORS

USE PARABOLIC REFLECTORS

*****PARABOLIC MIRRORS

USE PARABOLIC REFLECTORS

*****PARABOLIC POINT COLLECTORS

USE PARABOLIC DISH COLLECTORS

*****PARABOLIC REFLECTORS

DEF A DEVICE WITH A HIGHLY REFLECTIVE SURFACE (MIRROR) WHICH HAS THE CROSS-SECTION OF A PARABOLA, ENABLING IT TO FOCUS PARALLEL LIGHT (USUALLY SOLAR BEAM RADIATION) TO ONE FOCAL POSITION
CT + SOLAR CONCENTRATORS
UF PARABOLIC FOCUSSING COLLECTORS
UF PARABOLIC MIRRORS
BT SOLAR CONCENTRATORS
BT SOLAR REFLECTORS
NT PARABOLIC DISHES
NT PARABOLIC TROUGHS
RT COMPOUND PARABOLIC CONCENTRATORS
RT PARABOLIC DISH COLLECTORS
RT PARABOLIC TROUGH COLLECTORS

*****PARABOLIC TROUGH COLLECTORS

UF CYLINDRICAL PARABOLIC COLLECTORS
BT CONCENTRATING COLLECTORS
BT PARABOLIC COLLECTORS
BT SOLAR COLLECTORS
RT PARABOLIC REFLECTORS
RT PARABOLIC TROUGHS

*****PARABOLIC TROUGHS

BT PARABOLIC REFLECTORS
BT SOLAR CONCENTRATORS
RT PARABOLIC TROUGH COLLECTORS

*****PARAFFIN

BT ALKANES
RT DIESEL FUELS

*****PARAFFIN-BASE CRUDE OIL

BT CRUDE OIL

*****PARAFFINS

USE ALKANES

*****PART-LOAD EFFICIENCY

RT STRATIFIED CHARGE ENGINES

*****PARTIAL PRESSURE

SN FUELS
BT REID VAPOUR PRESSURE
BT VOLATILITY

*****PARTICLE SIZE DISTRIBUTION

BT COAL ANALYSIS
BT COAL PROPERTIES
RT PARTICLES

*****PARTICLES

SN COAL
RT COAL GRANULES
RT FEEDING SYSTEMS
RT PARTICLE SIZE DISTRIBUTION
RT SIZE ANALYSIS

*****PARTICULATE FLUIDISATION

BT FLUIDISATION
RT AGGREGATIVE FLUIDISATION
RT CIRCULATING FLUIDISED BEDS

*****PARTICULATE TRAPS

SN COMPRESSION IGNITION ENGINES
BT EMISSION CONTROL DEVICES

*****PARTICULATES

DEF EMISSIONS OF SOLID PARTICLES FROM COMBUSTION PROCESSES
SN EMISSIONS
BT MOTOR VEHICLE EMISSIONS
BT POWER STATION EMISSIONS
NT SMOKE
RT AIR POLLUTION
RT BOSCH UNITS
RT CARBON DIOXIDE
RT CARBON MONOXIDE
RT FLUE GASES
RT FLY ASH
RT HARTRIDGE UNITS
RT NITROGEN OXIDES
RT PARTICULATE TRAPS
RT POLYCYCLIC AROMATIC HYDROCARBONS
RT SMOKE MEASUREMENTS
RT SOOT
RT UNBURNED FUEL

*****PASSENGER TRANSPORTATION

BT TRANSPORTATION
NT BUSES
NT TRAINS
RT AIR TRANSPORTATION
RT MARINE TRANSPORTATION
RT RAIL TRANSPORTATION
RT ROAD TRANSPORTATION

*****PASSIVE SOLAR BUILDINGS

BT BUILDINGS
BT PASSIVE SOLAR ENERGY
NT PASSIVE SOLAR HOUSES
RT SOLAR BUILDINGS
RT THERMAL STORAGE WALLS
RT TROMBE WALLS

*****PASSIVE SOLAR COOLING

UF PASSIVE SOLAR COOLING SYSTEMS
BT PASSIVE SOLAR ENERGY
BT SOLAR COOLING

*****PASSIVE SOLAR COOLING SYSTEMS

USE PASSIVE SOLAR COOLING

*****PASSIVE SOLAR ENERGY

DEF ENERGY FROM THE SUN WHEREBY LIGHT AND HEAT IS TRANSPORTED BY RADIATION, NATURAL CONVECTION AND CONDUCTION
BT SOLAR ENERGY
NT PASSIVE SOLAR BUILDINGS
NT PASSIVE SOLAR COOLING
NT PASSIVE SOLAR HEATING
NT PASSIVE SOLAR WATER HEATERS
NT TROMBE WALLS
RT DIRECT GAIN SYSTEMS
RT LOW ENERGY BUILDINGS
RT PASSIVE SOLAR HOUSES
RT SOLAR GREENHOUSES

*****PASSIVE SOLAR HEATING

UF PASSIVE SOLAR HEATING SYSTEMS
BT PASSIVE SOLAR ENERGY
BT SOLAR HEATING
NT DIRECT GAIN SYSTEMS
NT TROMBE WALLS
RT LONGWAVE RADIATION
RT PASSIVE SOLAR HOUSES
RT SOLAR AIR HEATERS
RT SOLAR SPACE HEATING

*****PASSIVE SOLAR HEATING SYSTEMS

USE PASSIVE SOLAR HEATING

*****PASSIVE SOLAR HOUSES

BT PASSIVE SOLAR BUILDINGS
BT SOLAR HOUSES
RT PASSIVE SOLAR ENERGY
RT PASSIVE SOLAR HEATING

*****PASSIVE SOLAR SYSTEMS

DEF A SYSTEM THAT USES GRAVITY, HEAT FLOWS OR EVAPORATION TO OPERATE WITHOUT MECHANICAL DEVICES TO COLLECT AND TRANSFER ENERGY
RT SOLAR COLLECTORS

*****PASSIVE SOLAR WATER HEATERS

BT PASSIVE SOLAR ENERGY
BT SOLAR WATER HEATERS

*****PEAK LOAD

DEF THE MAXIMUM AMOUNT OF POWER REQUIRED AND DELIVERED DURING A STATED PERIOD OF TIME
BT ENERGY DEMAND
RT ELECTRIC UTILITIES
RT ELECTRICITY GENERATION
RT LOAD MANAGEMENT
RT PEAK LOPPING

*****PEAK LOPPING

BT ENERGY DEMAND
RT ENERGY MANAGEMENT
RT GAS TURBINES
RT LOAD MANAGEMENT
RT PEAK LOAD

*****PEANUT OIL

BT VEGETABLE OILS
RT SUNFLOWER SEED OIL

*****PEAT

BT COAL
BT FOSSIL FUELS
BT SOLID FUELS
RT ANTHRACITE
RT BITUMINOUS COAL
RT COAL RANK
RT LIGNITE
RT SUB-BITUMINOUS COAL

*****PEBBLE BED REACTORS

BT CHEMICAL REACTORS
BT REACTORS

*****PELLETISED FUELS

BT FUELS
BT SOLID FUELS
RT WASTE DERIVED FUELS

*****PERFORMANCE

NT ENGINE PERFORMANCE
RT EFFICIENCY
RT RELIABILITY
RT TESTING

*****PERFORMANCE NUMBERS

SN ENGINES
RT ANTI KNOCK

*****PERI URBAN AREAS

BT UNDERDEVELOPED AREAS

*****PEROXIDES

RT AUTO IGNITION

*****PEROXYLACETYL NITRATES

UF PAN
BT PHOTOCHEMICAL SMOG

*****PETROCHEMICAL FEEDSTOCKS

USE PETROCHEMICALS

*****PETROCHEMICAL INDUSTRY

BT INDUSTRY

*****PETROCHEMICALS

DEF ORGANIC CHEMICALS OTHER THAN CONVENTIONAL FUELS, LUBRICANTS ETC, THAT ARE MANUFACTURED IN BULK FORM FROM FEEDSTOCKS OF PETROLEUM ORIGIN. IT USUALLY REFERS TO THOSE PARTICULAR MATERIALS USED ON A LARGE SCALE BY COMMERCE AND INDUSTRY
UF PETROCHEMICAL FEEDSTOCKS
BT PETROLEUM PRODUCTS
NT PLASTICS
NT RESINS
NT SYNTHETIC FIBRES
RT CHEMICAL FEEDSTOCKS

*****PETROGRAPHIC ANALYSIS

USE COAL CLASSIFICATION

*****PETROL

DEF LIGHT, DISTILLATE HYDROCARBON FUEL MANUFACTURED USUALLY FROM PETROLEUM AND USED AS THE PRINCIPAL FUEL FOR SPARK IGNITION ENGINES
UF AVIATION SPIRIT
UF GASOLINE
UF MOTOR SPIRIT
BT AUTOMOTIVE FUELS
BT LIQUID FUELS
BT PETROLEUM PRODUCTS
NT LEADED PETROL
NT UNLEADED PETROL
RT PETROL CONSUMPTION
RT SASOL PETROL

*****PETROL CONSUMPTION

BT FUEL CONSUMPTION
RT PETROL

*****PETROL ENGINES

USE SPARK IGNITION ENGINES

*****PETROLEUM

USE CRUDE OIL

*****PETROLEUM PRODUCTS

NT DIESEL FUELS
NT FUEL OILS
NT GAS OILS
NT LIQUEFIED PETROLEUM GAS
NT LUBRICATING OILS
NT PETROCHEMICALS
NT PETROL
RT OILS
RT REFINING

*****PFA

USE FLY ASH

*****PHASE CHANGE CHEMICALS

RT THERMAL STORAGE WALLS

*****PHENOLS

BT COAL TARS

*****PHOSPHORS

UF FLUORS
RT LUMINESCENT SOLAR CONCENTRATORS

*****PHOTOCHEMICAL ENERGY STORAGE

BT ENERGY STORAGE
RT PHOTOCHEMICAL REACTIONS

*****PHOTOCHEMICAL REACTIONS

DEF CHEMICAL REACTIONS THAT ARE CAUSED, DRIVEN OR OTHERWISE AFFECTED BY INCIDENT LIGHT OR OTHER ELECTROMAGNETIC RADIATION
NT PHOTOSYNTHESIS
RT PHOTOCHEMICAL ENERGY STORAGE

*****PHOTOCHEMICAL SMOG

DEF SMOG PRODUCED BY THE ACTION OF SUNLIGHT ON THE POLLUTANTS EMITTED BY MOTOR VEHICLES. THE MAJOR COMPONENTS OF PHOTOCHEMICAL SMOG ARE OZONE AND PEROXYACETYL NITRATES
BT SMOG
NT OZONE
NT PEROXYACETYL NITRATES
NT UNBURNED FUEL
RT ACID RAIN
RT FORMALDEHYDE
RT MOTOR VEHICLE EMISSIONS

*****PHOTOELECTRIC CELLS

USE PHOTOVOLTAICS

*****PHOTOSYNTHESIS

BT PHOTOCHEMICAL REACTIONS

*****PHOTOVOLTAIC ARRAYS

RT PHOTOVOLTAICS
RT SOLAR FARMS

*****PHOTOVOLTAIC CELLS

USE PHOTOVOLTAICS

*****PHOTOVOLTAIC CONCENTRATORS

DEF A LENSE OR REFLECTOR SYSTEM TO CONCENTRATE SUNLIGHT ONTO PHOTOVOLTAICS IN ORDER TO INCREASE ELECTRICAL OUTPUT
BT SOLAR CONCENTRATORS

*****PHOTOVOLTAIC MODULES

BT SOLAR ARRAYS
RT PHOTOVOLTAICS

*****PHOTOVOLTAIC POWER PLANTS

BT POWER PLANTS
RT PHOTOVOLTAICS

*****PHOTOVOLTAIC PUMPS

BT PUMPS
BT SOLAR PUMPS
NT PHOTOVOLTAIC WATER PUMPS

*****PHOTOVOLTAIC WATER PUMPS

BT PHOTOVOLTAIC PUMPS
BT SOLAR WATER PUMPS
BT WATER PUMPS

*****PHOTOVOLTAICS

DEF A SEMICONDUCTOR DEVICE WHICH CONVERTS ABSORBED LIGHT (PHOTONS) DIRECTLY INTO ELECTRICITY
UF PHOTOELECTRIC CELLS
UF PHOTOVOLTAIC CELLS
UF PV
UF SOLAR CELLS
BT RURAL ENERGY
BT SOLAR ELECTRIC CONVERSION
BT SOLAR ENERGY
NT AMORPHOUS SILICON CELLS
NT CADMIUM SELENIDE CELLS
NT CADMIUM TELLURIDE CELLS
NT GALLIUM ARSENIDE CELLS
NT MULTIJUNCTION CELLS
NT POLYCRYSTALLINE SILICON CELLS
NT RIBBON CELLS
NT SINGLE CRYSTAL SILICON CELLS
NT THIN FILM CELLS
RT COMBINED COLLECTORS
RT ENERGY CONVERSION
RT PHOTOVOLTAIC ARRAYS
RT PHOTOVOLTAIC MODULES
RT PHOTOVOLTAIC POWER PLANTS
RT SOLAR COLLECTORS
RT SOLAR THERMAL ELECTRIC
RT SOLAR THERMAL POWER PLANTS

*****PINKING

SN SPARK IGNITION ENGINES
BT ABNORMAL COMBUSTION
BT ENGINE NOISE
RT AUTO IGNITION

*****PIPELINES

BT GRIDS
NT SLURRY PIPELINES

*****PISTON SLAP

SN ENGINES
BT ENGINE NOISE
RT PISTONS

*****PISTONS

SN RECIPROCATING PISTON ENGINES
RT COMBUSTION CHAMBERS
RT COMPRESSION RATIO
RT PISTON SLAP
RT SQUISH

*****PLANTS

SN BIOLOGY
BT BIOMASS
NT CASSAVA
NT EUPHORBIA
NT SORGHUM
RT ENERGY CROPS

*****PLASTICS

BT PETROCHEMICALS

*****PLATE HEAT EXCHANGERS

BT HEAT EXCHANGERS

*****PLATFORMING

DEF THE USE OF PLATINUM IN THE PROCESS HAS LED TO THIS TERM , A TRADE NAME COINED BY THE DEVELOPERS OF THE PROCESS. A SUITABLE CATALYST, USUALLY ALUMINA COATED WITH A SPECIALLY DEVELOPED PLATINUM ALLOY, IS USED IN THE PROCESS
BT REFORMING
RT CATALYTIC REFORMING
RT THERMAL REFORMING

*****PLOUGHS

SN RURAL ENERGY
RT ANIMAL POWER
RT DRAUGHT ANIMALS
RT RURAL ENERGY

*****PLUGS

USE SPARK PLUGS

*****PLUMES

DEF EMISSIONS FROM A CHIMNEY (STACK) OR FROM A COOLING TOWER
RT ACID RAIN
RT AIR POLLUTION
RT GASEOUS WASTES
RT POWER STATION EMISSIONS

*****PLUTONIUM

DEF A MAN-MADE ELEMENT WITH AN ATOMIC MASS OF 239. IT IS A FISSILE MATERIAL AND CAN THUS BE USED IN A NUCLEAR REACTOR
BT NUCLEAR FUELS
RT FUEL CYCLES
RT IRRADIATED FUEL
RT NUCLEAR REACTORS

*****PNA

USE POLYCYCLIC AROMATIC HYDROCARBONS

*****POLLUTANTS

NT NITROGEN OXIDES
NT RADIOACTIVE WASTES
NT SULPHUR DIOXIDE
RT INDUSTRIAL WASTES
RT POLLUTION

*****POLLUTION

NT AIR POLLUTION
NT WATER POLLUTION
RT EMISSIONS
RT ENVIRONMENT
RT POLLUTION CONTROL
RT POLLUTANTS
RT RADIOACTIVE WASTES

*****POLLUTION CONTROL

NT AIR POLLUTION CONTROL
RT FLUE GASES
RT POLLUTION

*****POLYCRYSTALLINE SILICON CELLS

BT PHOTOVOLTAICS

*****POLYCYCLIC AROMATIC HYDROCARBONS

DEF EMISSIONS OF SOLID PARTICLES FROM COMBUSTION PROCESSES
UF PAH
UF PNA
UF POLYNUCLEAR AROMATIC HYDROCARBONS
BT AROMATICS
BT HYDROCARBONS
BT ORGANIC COMPOUNDS
RT AIR POLLUTION
RT CARBON DIOXIDE
RT CARBON MONOXIDE
RT NITROGEN OXIDES
RT PARTICULATES
RT UNBURNED FUEL

*****POLYMERISATION

RT SYNTHESISING

*****POLYNUCLEAR AROMATIC HYDROCARBONS

USE POLYCYCLIC AROMATIC HYDROCARBONS

*****POROSITY

BT COAL STRUCTURE
NT MICROPOROSITY

*****POROUS PACKINGS

RT FIXED BEDS

*****POSITIVE DISPLACEMENT PUMPS

BT PUMPS
NT LIQUID PISTON PUMPS

*****POWER

NT ELECTRIC POWER
NT HYDROELECTRIC POWER
NT NUCLEAR POWER
RT POWER GENERATION
RT POWER PLANTS

*****POWER ALCOHOL

BT SASOL FUELS

*****POWER GENERATION

DEF THE PRODUCTION OF POWER BY CHEMICAL, MECHANICAL OR ELECTRICAL MEANS
NT COGENERATION
NT ELECTRICITY GENERATION
RT COAL CONSUMPTION
RT ELECTRIC POWER
RT ELECTRICITY CONSUMPTION
RT OCEAN THERMAL ENERGY CONVERSION
RT POWER PLANTS
RT POWER STATIONS
RT SALINITY GRADIENT ENERGY
RT SOLAR THERMAL CONVERSION
RT WAVE ENERGY

*****POWER LOSSES

DEF THE LOSS IN POWER DURING TRANSMISSION OR UTILISATION
BT ENERGY LOSSES
RT ELECTRIC POWER

*****POWER PLANTS

DEF EQUIPMENT FOR THE PRODUCTION OF POWER BY CHEMICAL, ELECTRICAL OR MECHANICAL MEANS
NT COMBINED CYCLE POWER PLANTS
NT ELECTRIC POWER PLANTS
NT GEOTHERMAL POWER PLANTS
NT HYDROELECTRIC POWER PLANTS
NT NUCLEAR POWER PLANTS
NT PHOTOVOLTAIC POWER PLANTS
NT PUMPED STORAGE POWER PLANTS
NT SOLAR THERMAL POWER PLANTS
NT THERMAL POWER PLANTS
NT TIDAL POWER PLANTS
RT ELECTRIC POWER
RT FOSSIL FUELS
RT POWER
RT POWER GENERATION
RT POWER STATIONS
RT RANKINE CYCLE

*****POWER STATION EMISSIONS

DEF THE GASEOUS OR PARTICULATE MATTER IN A POWER STATION PLUME
BT EMISSIONS
NT NITROGEN OXIDES
NT PARTICULATES
NT SMOKE
NT SULPHUR DIOXIDE
RT AIR POLLUTION
RT AIR POLLUTION CONTROL
RT PLUMES

*****POWER STATIONS

DEF A COMBINATION OF POWER PLANT FOR THE PROVISION OF POWER
NT DUHVA POWER STATION
NT HWANGE POWER STATION
NT HYDROELECTRIC POWER STATIONS
NT KENDAL POWER STATION
NT LETHABO POWER STATION
NT MAJUBA POWER STATION
NT MATIMBA POWER STATION
NT MATLA POWER STATION
NT NUCLEAR POWER STATIONS
NT SOLAR THERMAL POWER STATIONS
NT THERMAL POWER STATIONS
NT TIDAL POWER STATIONS
NT TUTUKA POWER STATION
RT BOILERS
RT COOLING TOWERS
RT ELECTRIC POWER PLANTS
RT ELECTRIC UTILITIES
RT ELECTRICITY
RT HYDROELECTRIC POWER
RT POWER GENERATION
RT POWER PLANTS

*****POWER/ECONOMY JETS

SN ENGINES
UF FULL POWER JETS
BT CARBURETTORS

*****PRE IGNITION

DEF IGNITION THAT OCCURS BEFORE THE SPARK DISCHARGE IN A SPARK IGNITION ENGINE
SN SPARK IGNITION ENGINES
UF HOT SPOT IGNITION
BT IGNITION
NT HOT SPOTS
NT RUMBLE
NT THUD
RT ABNORMAL COMBUSTION
RT ENGINE DAMAGE
RT OVERHEATING

*****PRESSURE RISE RATES

BT DIESEL KNOCK

*****PRESSURE VESSELS

DEF A CONTAINER DESIGNED TO WITHSTAND A PRESSURE. IN A NUCLEAR POWER STATION, THE CONTAINMENT STRUCTURE IN WHICH THE NUCLEAR REACTOR CORE IS SITUATED
NT REACTOR PRESSURE VESSELS

*****PRESSURISED FLUIDISED BEDS

BT CHEMICAL REACTORS
BT FLUIDISED BEDS
NT BUBBLING FLUIDISED BEDS
RT ATMOSPHERIC FLUIDISED BEDS
RT COAL COMBUSTION
RT COAL GASIFICATION
RT COMBINED CYCLE POWER PLANTS
RT GRIMETHORPE
RT POWER GENERATION

*****PRESSURISED WATER REACTORS

DEF A NUCLEAR REACTOR, USING WATER AS A MODERATOR AND COOLANT, WHICH IS PRESSURISED IN ORDER TO STOP BOILING
UF PWR
BT LIGHT WATER REACTORS
BT WATER COOLED REACTORS
NT KOEBERG

*****PRICES

NT ENERGY PRICES
RT COSTS
RT TARIFFS

*****PRIMARY BUTYL ALCOHOL

BT BUTYL ALCOHOL

*****PRIMARY FUELS

BT FUELS
NT COAL
NT CRUDE OIL
NT NUCLEAR FUELS

*****PRIMARY PROPYL ALCOHOL

BT PROPYL ALCOHOL

*****PRO KNOCK

RT ANTI KNOCK

*****PROCESS HEAT

DEF HEAT FOR INDUSTRIAL PROCESSES
BT HEAT
NT SOLAR PROCESS HEAT
RT BOILERS
RT COGENERATION
RT STEAM

*****PROCESSING

NT RADIOACTIVE WASTE PROCESSING
NT WASTE PROCESSING

*****PRODUCER GAS

DEF GAS MANUFACTURED BY THE ACTION OF AIR AND STEAM ON COKE OR COAL
BT GASES
BT LOW CALORIFIC VALUE GAS
RT WOOD GAS

*****PROPANE

BT ALKANES

*****PROPANOL

USE PROPYL ALCOHOL

*****PROPENAL

USE ACROLEIN

*****PROPYL ALCOHOL

DEF SPECIES OF ALCOHOL USED AS FUEL CONTAINING THREE CARBON ATOMS
UF PROPANOL
BT ALCOHOL FUELS
BT OXYGENATED HYDROCARBONS
NT PRIMARY PROPYL ALCOHOL
NT SECONDARY PROPYL ALCOHOL
RT ALDEHYDES
RT HYDROCARBONS

*****PROXIMATE ANALYSIS

BT COAL ANALYSIS
BT COAL PROPERTIES

*****PUBLIC UTILITIES

NT ELECTRIC UTILITIES

*****PULVERISATION

BT COMMINUTION
BT ORE DRESSING
RT PULVERISED FUELS
RT PULVERISERS

*****PULVERISED FUEL ASH

USE FLY ASH

*****PULVERISED FUELS

BT FUELS
BT SOLID FUELS
RT COAL
RT PULVERISATION
RT PULVERISERS

*****PULVERISERS

RT COMMINUTION
RT PULVERISED FUELS

*****PUMPED HYDRO

USE PUMPED STORAGE

*****PUMPED STORAGE

DEF A SYSTEM OF STORING ENERGY BY TRANSFERRING WATER FROM A LOWER RESERVOIR TO A HIGHER RESERVOIR, AND RUNNING IT BACK THROUGH A TURBINE DURING TIMES OF PEAK DEMAND
UF PUMPED HYDRO
BT ENERGY STORAGE
BT STORAGE
NT DRAKENSBERG PUMPED STORAGE SCHEME
NT PALMIET PUMPED STORAGE SCHEME
RT HYDROELECTRIC POWER
RT PUMPED STORAGE POWER PLANTS
RT REVERSIBLE TURBINES

*****PUMPED STORAGE POWER PLANTS

BT POWER PLANTS
RT PUMPED STORAGE

*****PUMPING LOSS

RT VOLUMETRIC EFFICIENCY

*****PUMPS

UF HYDRAULIC RAMS
NT ANIMAL DRIVEN PUMPS
NT CAMEL PUMPS
NT CENTRIFUGAL PUMPS
NT FUEL PUMPS
NT LIQUID PISTON PUMPS
NT HAND PUMPS
NT PHOTOVOLTAIC PUMPS
NT POSITIVE DISPLACEMENT PUMPS
NT RECIPROCATING PUMPS
NT ROTARY PUMPS
NT SOLAR PUMPS
NT SOLAR THERMAL PUMPS
NT SOLAR WATER PUMPS
NT TURBINE PUMPS
NT WATER PUMPS
NT WINDMILLS
RT HEAT PUMPS

*****PV

USE PHOTOVOLTAICS

*****PWR

USE PRESSURISED WATER REACTORS

*****PYRANOMETERS

RT SOLAR IRRADIANCE

*****PYROLIGENOUS ACIDS

BT COAL TARS

*****PYROLYSIS

BT COAL CONVERSION
BT DECOMPOSITION
BT THERMAL DECOMPOSITION
BT THERMAL PROCESSES
NT FLASH HYDROPYROLYSIS
NT FLASH PYROLYSIS
RT CHAR
RT COAL
RT COAL DERIVED FUELS
RT COAL GASIFICATION
RT COAL LIQUIFACTION
RT COMBUSTION
RT COAL TARS
RT LIQUIDS
RT REFUSE
RT TARS
RT WASTE DERIVED FUELS

*****QUALITATIVE ANALYSIS

NT COAL ANALYSIS

*****QUANTITATIVE ANALYSIS

NT COAL ANALYSIS

*****RADIANT HEAT

USE LONGWAVE RADIATION

*****RADIATION

DEF ELECTROMAGNETIC EMISSIONS RANGING FROM VISIBLE LIGHT TO X-RAYS
NT LONGWAVE RADIATION
NT SHORT WAVE RADIATION
NT SOLAR IRRADIANCE
NT SOLAR RADIATION
RT RADIOACTIVITY

*****RADIATION SAFETY

USE NUCLEAR SAFETY

*****RADIOACTIVE MATERIALS

NT FISSION PRODUCTS
NT RADIOACTIVE WASTES
RT RADIOACTIVITY
RT RADIOISOTOPES

*****RADIOACTIVE WASTE DISPOSAL

BT RADIOACTIVE WASTE MANAGEMENT
BT WASTE DISPOSAL

*****RADIOACTIVE WASTE MANAGEMENT

UF NUCLEAR WASTE MANAGEMENT
BT WASTE MANAGEMENT
NT RADIOACTIVE WASTE DISPOSAL
NT RADIOACTIVE WASTE PROCESSING
NT RADIOACTIVE WASTE STORAGE
RT NUCLEAR FUELS
RT RADIOACTIVE WASTES

*****RADIOACTIVE WASTE PROCESSING

BT PROCESSING
BT RADIOACTIVE WASTE MANAGEMENT

*****RADIOACTIVE WASTE STORAGE

BT RADIOACTIVE WASTE MANAGEMENT
BT STORAGE
BT WASTE STORAGE
RT RADIOACTIVE WASTES

*****RADIOACTIVE WASTES

DEF BYPRODUCT OF THE REPROCESSING OF IRRADIATED NUCLEAR FUEL
UF NUCLEAR WASTES
BT POLLUTANTS
BT RADIOACTIVE MATERIALS
BT WASTES
RT IRRADIATED FUEL
RT LIQUID WASTES
RT POLLUTION
RT RADIOACTIVE WASTE MANAGEMENT
RT RADIOACTIVE WASTE STORAGE
RT WASTE DISPOSAL
RT WASTE MANAGEMENT

*****RADIOACTIVITY

DEF EMISSIONS CAUSED BY NUCLEAR REACTIONS, CONSISTING OF ALPHA OR BETA PARTICLES, NEUTRONS OR GAMMA RAYS
RT RADIATION
RT RADIOACTIVE MATERIALS

*****RADIOISOTOPES

DEF AN UNSTABLE FORM OF AN ELEMENT CHARACTERISED BY THE EMISSION OF RADIOACTIVITY
UF RADIONUCLIDES
BT ISOTOPES
RT RADIOACTIVE MATERIALS
RT RADIOACTIVITY

*****RADIONUCLIDES

USE RADIOISOTOPES

*****RAIL TRANSPORTATION

BT TRANSPORTATION
NT TRAINS
RT LOCOMOTIVES
RT PASSENGER TRANSPORTATION
RT RAILWAYS

*****RAILWAYS

RT LOCOMOTIVES
RT RAIL TRANSPORTATION

*****RAMAN SCATTERING

RT LASER SPECTROSCOPY

*****RAMAN SPECTROSCOPY

BT LASER SPECTROSCOPY
BT MOLECULAR SPECTROSCOPY
NT ROTATIONAL RAMAN SPECTROSCOPY
NT VIBRATIONNAL RAMAN SPECTROSCOPY

*****RANKINE CYCLE

BT THERMODYNAMIC CYCLES
RT BINARY CYCLE
RT CARNOT CYCLE
RT OCEAN THERMAL ENERGY CONVERSION
RT OTTO CYCLE
RT POWER PLANTS
RT REHEAT CYCLE
RT SOLAR THERMAL POWER PLANTS
RT STIRLING CYCLE
RT THERMODYNAMICS

*****RAPESEED OIL

DEF AN OIL DERIVED FROM THE COMPRESSED RAPE SEED, WHICH MAY BE USED AS A DIESEL FUEL
BT VEGETABLE OILS

*****RAPID COMPRESSION MACHINES

RT AUTO IGNITION

*****RAPID PYROLYSIS

USE FLASH HYDROPYROLYSIS

*****RDF

USE WASTE DERIVED FUELS

*****REACTIVITY

SN COAL
BT COAL QUALITY

*****REACTOR ACCIDENTS

USE NUCLEAR ACCIDENTS

*****REACTOR FUELS

USE NUCLEAR FUELS

*****REACTOR SAFETY

USE NUCLEAR SAFETY

*****REACTORS

NT CHEMICAL REACTORS
NT FUSION REACTORS
NT NUCLEAR REACTORS
NT PEBBLE BED REACTORS

*****REACTORS PRESSURE VESSELS

BT PRESSURE VESSELS
RT NUCLEAR REACTORS

*****RECIPROCATING PISTON ENGINES

DEF ENGINES IN WHICH THE PRIME MOVER IS A RECIPROCATING PISTON
UF PISTON ENGINES
UF RECIPROCATING ENGINES
BT ENGINES
NT COMPRESSION IGNITION ENGINES
NT FOUR STROKE ENGINES
NT FREE PISTON ENGINES
NT STEAM ENGINES
NT TWO STROKE ENGINES
RT GAS TURBINES
RT INTERNAL COMBUSTION ENGINES
RT ROTARY COMBUSTION ENGINES
RT SPARK IGNITION ENGINES
RT STEAM TURBINES
RT STIRLING ENGINES

*****RECIPROCATING PUMPS

BT PUMPS
NT LIQUID PISTON PUMPS

*****RECUPERATIVE HEATERS

RT AIR HEATERS

*****RECUPERATORS

DEF A CONTINUOUS HEAT EXCHANGER IN WHICH HEAT IS CONDUCTED FROM THE PRODUCTS OF COMBUSTION TO INCOMING AIR THROUGH FLUE WALLS
RT AIR HEAT EXCHANGERS
RT BOILERS
RT HEAT RECOVERY
RT KILNS
RT WASTE GASES
RT WASTE HEAT

*****REFINERIES

UF OIL REFINERIES
UF PETROLEUM REFINERIES
RT REFINING

*****REFINING

DEF INDUSTRIAL PROCESSES USED TO TRANSFORM CRUDE OIL INTO PRODUCTS SUITABLE FOR CONSUMER USE
SN PETROLEUM
NT REFORMING
RT CATALYTIC CRACKING
RT PETROLEUM PRODUCTS
RT REFINERIES

*****REFLECTORS

RT SOLAR CONCENTRATORS

*****REFORMING

DEF A PROCESS WIDELY USED IN OIL REFINERIES FOR IMPROVING THE OCTANE QUALITY OF PETROL BY ALTERING THE MOLECULAR STRUCTURES OF CONSTITUENT HYDROCARBONS IN THE FUEL
SN PETROLEUM
BT REFINING
NT CATALYTIC REFORMING
NT PLATFORMING
NT THERMAL REFORMING

*****REFRIGERATION

RT SPACE HVAC SYSTEMS

*****REFRIGERATION CYCLES

RT HEAT PUMPS

*****REFUSE

DEF URBAN DOMESTIC GARBAGE
BT ORGANIC WASTES
BT WASTES
RT FLUIDISED BEDS
RT LANDFILL METHANE PRODUCTION
RT PYROLYSIS
RT SOLID WASTE
RT WASTE DERIVED FUELS
RT WASTE DISPOSAL

*****REFUSE DERIVED FUELS

USE WASTE DERIVED FUELS

*****REGENERATIVE CYCLE

RT BINARY CYCLE

*****REGENERATIVE HEATERS

RT AIR HEATERS

*****REGENERATORS

BT ENERGY CONSERVATION
RT AIR HEATERS
RT HEAT RECOVERY

*****REHEAT CYCLE

RT BINARY CYCLE

*****REID VAPOUR PRESSURE

DEF A STANDARD TEST PROCEDURE TO MEASURE VOLATILITY
SN FUELS
BT VOLATILITY
NT BOILING POINT
NT PARTIAL PRESSURE
RT COLD START
RT DISTILLATION

*****RELIABILITY

RT PERFORMANCE

*****REMOTE AREA POWER SUPPLY

BT REMOTE AREAS
RT RURAL ENERGY

*****REMOTE AREAS

UF ISOLATED LOCATIONS
NT REMOTE AREA POWER SUPPLY
RT RURAL AREAS

*****RENEWABLE ENERGY

DEF ENERGY DERIVED FROM SOURCES WHICH OCCUR NATURALLY IN THE ENVIRONMENT AND ARE REGENERATIVE OR VIRTUALLY INEXHAUSTIBLE
BT ALTERNATIVE ENERGY
NT ANIMAL POWER
NT BIOMASS
NT FUELWOOD
NT GEOTHERMAL ENERGY
NT HYDROELECTRIC POWER
NT OCEAN ENERGY
NT SOLAR ENERGY
NT TIDAL POWER
NT WAVE ENERGY
NT WIND ENERGY
RT APPROPRIATE TECHNOLOGY
RT RENEWABLE ENERGY RESOURCES

*****RENEWABLE ENERGY RESEARCH

BT ENERGY RESEARCH
NT GEOTHERMAL ENERGY RESEARCH
NT SOLAR ENERGY RESEARCH
NT TIDAL POWER
NT WAVE ENERGY RESEARCH
NT WIND ENERGY RESEARCH

*****RENEWABLE ENERGY RESOURCES

DEF KNOWN AND ASSUMED, NATURALLY OCCURRING, CONTINUOUSLY RENEWED ENERGY RESOURCES THAT ARE EITHER ALREADY OF ECONOMIC VALUE OR WHOSE ECONOMIC VALUE MAY BE ASSUMED TO BE REALISED WITHIN THE FORESEEABLE FUTURE
BT ENERGY RESOURCES

*****RESEARCH

NT ENERGY RESEARCH

*****RESEARCH OCTANE NUMBER

BT OCTANE NUMBER

*****RESINS

BT PETROCHEMICALS

*****REVERSIBLE REFRIGERATION CYCLE

USE HEAT PUMPS

*****REVERSIBLE TURBINES

RT PUMPED STORAGE
RT TURBINE PUMPS
RT TURBINES
RT WATER TURBINES

*****RIBBON CELLS

BT PHOTOVOLTAICS

*****ROAD OCTANE NUMBER

BT OCTANE NUMBER

*****ROAD TRANSPORTATION

BT TRANSPORTATION
NT BATTERY VEHICLES
NT BICYCLES
NT BUSES
NT MOTOR VEHICLES
NT TRUCKS
NT VANS
RT PASSENGER TRANSPORTATION

*****ROCK BEDS

DEF A MASS OF LOOSELY PILED ROCKS WITH AIR SPACES. HOT AIR PASSED THROUGH THE BED GIVES UP HEAT FOR STORAGE
BT ENERGY STORAGE
RT GREENHOUSES
RT HEAT STORAGE
RT LOW ENERGY BUILDINGS
RT THERMAL STORAGE WALLS

*****ROCK OIL

USE CRUDE OIL

*****ROCKET ENGINES

BT INTERNAL COMBUSTION ENGINES

*****ROOTS BLOWER

RT SUPERCHARGING

*****ROTARY COMBUSTION ENGINES

DEF AN ENGINE IN WHICH THE PISTON ROTATES AS OPPOSED TO RECIPROCATING
UF WANKEL ENGINES
BT ENGINES
BT INTERNAL COMBUSTION ENGINES
RT OTTO ENGINES
RT RECIPROCATING PISTON ENGINES

*****ROTARY PUMPS

BT PUMPS
RT LIQUID PISTON PUMPS

*****ROTATIONAL RAMAN SPECTROSCOPY

BT RAMAN SPECTROSCOPY
NT ANTI STOKES RAMAN SPECTROSCOPY
NT STOKES RAMAN SPECTROSCOPY
RT VIBRATIONAL RAMAN SPECTROSCOPY

*****ROTORS

NT SAVONIUS ROTORS
RT FLYWHEELS

*****RUMBLE

SN ENGINES
BT ENGINE NOISE
BT PRE IGNITION

*****RURAL AREAS

BT UNDERDEVELOPED AREAS
RT REMOTE AREAS
RT RURAL ELECTRIFICATION
RT RURAL ENERGY
RT RURAL TRANSPORTATION

*****RURAL ELECTRIFICATION

BT ELECTRIFICATION
RT RURAL AREAS

*****RURAL ENERGY

DEF ENERGY CONSUMED IN RURAL OR REMOTE AREAS
NT AGRICULTURAL RESIDUES
NT BIOGAS
NT DUNG
NT FUELWOOD
NT MICRO HYDRO
NT PHOTOVOLTAICS
NT SOLAR OVENS
NT WINDMILLS
RT ANIMAL POWER
RT APPROPRIATE TECHNOLOGY
RT DEVELOPING COUNTRIES
RT DIESEL GENERATORS
RT PLOUGHS
RT REMOTE AREA POWER SUPPLY
RT RURAL AREAS
RT RURAL TRANSPORTATION

*****RURAL TRANSPORTATION

BT TRANSPORTATION
RT ANIMAL POWER
RT CARTS
RT DRAUGHT ANIMALS
RT RURAL AREAS
RT RURAL ENERGY

*****RUST INHIBITORS

USE CORROSION INHIBITORS

*****SACCHARIDES

USE SUGARS

*****SACCHARIFICATION

DEF HYDROLYSIS INTO A SIMPLE SOLUBLE FERMENTABLE SUGAR
BT HYDROLYSIS
RT FERMENTATION

*****SACCHAROSE

USE SUCROSE

*****SAFETY

NT NUCLEAR SAFETY

*****SALINITY

RT SALINITY GRADIENT ENERGY

*****SALINITY GRADIENT ENERGY

DEF WHERE OSMOTIC PRESSURE OCCURS IN WATERS OF DIFFERENT SALINITY WHICH MAY BE EXPLOITED TO PROVIDE USEFUL ENERGY BY THE APPLICATION OF SUITABLY DISPOSED SEMI-PERMEABLE MEMBRANES
UF OSMOTIC POWER
BT OCEAN ENERGY
RT POWER GENERATION
RT SALINITY

*****SALT GRADIENT PONDS

NT SALT GRADIENT SOLAR PONDS

*****SALT GRADIENT SOLAR PONDS

DEF THE MOST COMMON TYPE OF SOLAR POND
BT SALT GRADIENT PONDS
BT SOLAR PONDS
RT MAGNESIUM SULPHATE
RT SODIUM CHLORIDE

*****SALTER DUCKS

USE DUCKS

*****SANITARY LANDFILLS

UF LANDFILLS
BT WASTE DISPOSAL

*****SAPONIFICATION

BT HYDROLYSIS

*****SASOL DIESEL

BT SASOL FUELS
RT DIESEL FUELS

*****SASOL FUELS

UF SASOL MOTOR ALCOHOL
BT AUTOMOTIVE FUELS
BT COAL DERIVED FUELS
BT SYNTHETIC FUELS
NT POWER ALCOHOL
NT SASOL DIESEL
NT SASOL PETROL
RT ALTERNATIVE FUELS
RT BLENDS
RT FISCHER TROPSCH SYNTHESIS
RT SASOL PROCESS

*****SASOL MOTOR ALCOHOL

USE SASOL FUEL

*****SASOL PETROL

BT SASOL FUELS
RT PETROL

*****SASOL PROCESS

BT COAL LIQUEFACTION
RT SASOL FUELS
RT SYNTHETIC FUELS

*****SAVONIUS ROTORS

BT ROTORS
BT WIND TURBINES
RT VERTICAL AXIS WIND TURBINES

*****SAWDUST

BT ORGANIC WASTES
BT WOOD WASTES
RT SAWMILLS

*****SAWMILLS

RT FORESTRY
RT SAWDUST
RT TIMBER INDUSTRY

*****SCRUBBERS

RT AIR POLLUTION CONTROL
RT FLUE GASES

*****SCRUBBING

RT FIXED BEDS

*****SEA CLAMS

DEF A WAVE ENERGY DEVICE
SN WAVE ENERGY
BT WAVE ENERGY DEVICES
RT DUCKS
RT OSCILLATING WATER COLUMNS
RT WAVE ENERGY

*****SECONDARY BATTERIES

USE BATTERIES

*****SECONDARY BUTYL ALCOHOL

BT BUTYL ALCOHOL

*****SECONDARY PROPYL ALCOHOL

BT PROPYL ALCOHOL

*****SELECTIVE SURFACES

DEF A SURFACE COATING WHICH ABSORBS SOLAR RADIATION WELL BUT EMITS POORLY IN THE INFRARED SPECTRUM AT THE TEMPERATURE OF THE SURFACE
UF SPECTRALLY SELECTIVE SURFACES
NT BLACK CHROME
NT BLACK NICKEL
NT COATINGS
NT VEE GROOVES
RT FLAT PLATE COLLECTORS
RT LONGWAVE RADIATION
RT SOLAR ABSORBERS
RT SOLAR COLLECTORS

*****SELF IGNITION

USE AUTO IGNITION

*****SELLAFIELD

DEF ORIGINALLY CALLED WINDSCALE, IT IS AN ESTABLISHMENT OF THE U.K. ATOMIC ENERGY AUTHORITY. AN EXPERIMENTAL AGR WAS RECENTLY BUILT THERE AND IT IS ALSO THE LOCATION OF AN IRRADIATED FUEL REPROCESSING PLANT AND STORAGE FACILITY. ALSO THE SCENE OF A NUCLEAR ACCIDENT
UF WINDSCALE
RT ADVANCED GAS COOLED REACTORS
RT IRRADIATED FUEL
RT NUCLEAR ACCIDENTS

*****SEMI FUSINITE

BT MACERALS

*****SEMI-ANTHRACITE

BT ANTHRACITE

*****SEWAGE

BT ORGANIC WASTES

*****SFC

USE ENGINE EFFICIENCY

*****SHALE OIL

BT MINERAL OILS
BT SYNTHETIC FUELS
NT SHALE OIL FRACTIONS
RT KEROGEN
RT OIL SHALES

*****SHALE OIL FRACTIONS

BT SHALE OIL

*****SHAMOKIN ATMOSPHERIC FLUIDISED BED BOILER

BT FLUIDISED BED BOILERS
RT ATMOSPHERIC FLUIDISED BEDS

*****SHAPE

SN COAL
BT COAL STRUCTURE

*****SHEARING

SN ENGINES
BT TURBULENCE

*****SHIELDED FIRES

RT WOOD BURNING STOVES

*****SHIPS

BT MARINE TRANSPORTATION
RT BOATS
RT TANKERS

*****SHORT WAVE RADIATION

UF HIGH FREQUENCY RADIATION
BT RADIATION
RT SOLAR IRRADIANCE
RT SOLAR RADIATION

*****SIEVING

RT BENEFICIATION

*****SILENCERS

RT ENGINE NOISE

*****SIMULATION

USE MODELLING

*****SINE WAVE

RT ALTERNATING CURRENT

*****SINGLE CRYSTAL SILICON CELLS

BT PHOTOVOLTAICS

*****SIZE ANALYSIS

SN COAL
RT COAL GRINDING
RT PARTICLES

*****SIZE GRADATION

RT BENEFICIATION

*****SIZE REDUCTION

USE COMMINUTION

*****SIZEWELL B

BT NUCLEAR POWER STATIONS
RT PRESSURISED WATER REACTORS

*****SLAGGING

RT ASH

*****SLAGGING GASIFIERS

BT GASIFIERS

*****SLURRIES

NT SLURRY FUELS

*****SLURRIES (FUELS)

USE SLURRY FUELS

*****SLURRY FUELS

DEF A COMBINATION OF A FUEL, USUALLY COAL, WITH A TRANSPORT LIQUID MEDIUM. TYPICALLY, THE LIQUID IS WATER, OIL, ETHANOL OR METHANOL
UF FUEL SLURRIES
UF SLURRIES (FUELS)
BT COAL DERIVED FUELS
BT FUELS
BT SLURRIES
BT SYNTHETIC FUELS
NT COAL ETHANOL MIXTURES
NT COAL LIQUID MIXTURES
NT COAL METHANOL MIXTURES
NT COAL OIL MIXTURES
NT COAL WATER MIXTURES
NT ETHACOAL
NT METHACOAL
RT BLENDS
RT ETHANOL WATER MIXTURES
RT SLURRY PIPELINES

*****SLURRY PIPELINES

DEF A PIPE FOR THE CONVEYANCE OF A SOLID-LIQUID MIXTURE. IN THE ENERGY FIELD, THE MIXTURE IS USUALLY A SLURRY FUEL
BT PIPELINES
RT SLURRY FUELS

*****SMALL HYDRO

DEF THE GENERATION OF HYDROELECTRIC POWER OF LESS THAN 10 MW
UF HYDRO POWER
UF SMALL-SCALE HYDROELECTRIC POWER
BT HYDROELECTRIC POWER
RT MICRO HYDRO
RT MINI HYDRO
RT WATER TURBINES

*****SMALL-SCALE HYDROELECTRIC POWER

USE SMALL HYDRO

*****SMOG

NT PHOTOCHEMICAL SMOG
NT UNBURNED FUEL
RT AIR POLLUTION
RT FORMALDEHYDE
RT MOTOR VEHICLE EMISSIONS
RT NITROGEN OXIDES

*****SMOKE

DEF SOLID PARTICLES GENERATED AS A RESULT OF THE INCOMPLETE COMBUSTION OF MATERIALS CONTAINING CARBON
SN EMISSIONS
BT MOTOR VEHICLE EMISSIONS
BT PARTICULATES
BT POWER STATION EMISSIONS
RT AIR POLLUTION
RT FUELWOOD
RT SMOKE LIMIT
RT SMOKE MEASUREMENTS

*****SMOKE LIMIT

BT ENGINE MAPPING
BT ENGINE PERFORMANCE
RT SMOKE

*****SMOKE MEASUREMENTS

RT PARTICULATES
RT POLYCYCLIC AROMATIC HYDROCARBONS
RT SMOKE

*****SNG

USE SYNTHETIC NATURAL GAS

*****SNG PROCESS

RT SYNTHETIC NATURAL GAS

*****SO2

USE SULPHUR DIOXIDE

*****SO3

USE SULPHUR TRIOXIDE

*****SODIUM CHLORIDE

RT SALT GRADIENT SOLAR PONDS

*****SODIUM COOLED REACTORS

DEF A NUCLEAR REACTOR THAT USES LIQUID SODIUM AS COOLANT
BT LIQUID METAL COOLED FAST BREEDER REACTORS
NT SUPERPHENIX REACTOR

*****SODIUM-SULPHUR BATTERIES

BT BATTERIES

*****SOLAR 1

USE SOLAR ONE

*****SOLAR ABSORBERS

UF ABSORBERS (SOLAR)
RT BLACK CHROME
RT BLACK NICKEL
RT COATINGS
RT SELECTIVE SURFACES
RT SOLAR COLLECTORS
RT SOLAR RECEIVERS

*****SOLAR ABSORPTANCE

DEF THE RATIO OF THE AMOUNT OF SOLAR RADIATION ABSORBED BY A SURFACE TO THE AMOUNT OF RADIATION INCIDENT ON IT
RT SOLAR ABSORPTION

*****SOLAR ABSORPTION

DEF THE AMOUNT OF SOLAR RADIATION ABSORBED BY A SURFACE
BT SOLAR ENERGY
BT SOLAR RADIATION
RT SOLAR ABSORPTANCE
RT SOLAR ABSORPTION COOLING SYSTEMS
RT SOLAR COLLECTORS
RT VEE GROOVES

*****SOLAR ABSORPTION COOLING SYSTEMS

DEF AN AIR CONDITIONING SYSTEM WHICH USES SOLAR HEAT RATHER THAN CONVENTIONAL FORMS OF ENERGY AS ITS PRIMARY POWER SOURCE FOR DRIVING THE REFRIGERATION CYCLE
BT SOLAR COOLING
RT SOLAR ABSORPTION
RT SOLAR AIR CONDITIONERS
RT SOLAR ASSISTED AIR CONDITIONERS
RT SOLAR ASSISTED HEAT PUMPS

*****SOLAR AIR CONDITIONERS

BT AIR CONDITIONERS
BT SOLAR COOLING
NT SOLAR ASSISTED AIR CONDITIONERS
RT SOLAR ABSORPTION COOLING SYSTEMS
RT SOLAR AIR CONDITIONING
RT SOLAR ASSISTED HEAT PUMPS

*****SOLAR AIR CONDITIONING

BT AIR CONDITIONING
RT SOLAR AIR CONDITIONERS

*****SOLAR AIR HEATERS

DEF SOLAR COLLECTORS THAT USE AIR AS THE HEAT TRANSFER FLUID
BT AIR HEATERS
BT SOLAR COLLECTORS
RT FLAT PLATE COLLECTORS
RT PASSIVE SOLAR HEATING

*****SOLAR ARRAYS

DEF A GROUP OF SOLAR COLLECTORS WITH A COMMON MOUNTING OR SUPPORT STRUCTURE
BT SOLAR ENERGY
NT PHOTOVOLTAIC MODULES
NT SOLAR WATER HEATING PANELS
RT HELIOSTATS
RT SOLAR COLLECTORS

*****SOLAR ASSISTED AIR CONDITIONERS

BT AIR CONDITIONERS
BT SOLAR AIR CONDITIONERS
RT SOLAR ABSORPTION COOLING SYSTEMS
RT SOLAR COOLING

*****SOLAR ASSISTED HEAT PUMPS

BT HEAT PUMPS
BT SOLAR HEATING
RT SOLAR ABSORPTION COOLING SYSTEMS
RT SOLAR AIR CONDITIONERS
RT SOLAR COOLING

*****SOLAR BUILDINGS

BT BUILDINGS
NT SOLAR GREENHOUSES
NT SOLAR HOUSES
RT PASSIVE SOLAR BUILDINGS
RT TROMBE WALLS

*****SOLAR CELL RECEIVERS

USE SOLAR RECEIVERS

*****SOLAR CELLS

USE PHOTOVOLTAICS

*****SOLAR CHIMNEYS

DEF A CHIMNEY CONNECTED TO A SOLAR COLLECTOR WHICH INDUCES A CONVESTIVE AIR FLOW WHICH DRIVES A TURBINE (LOCATED WITHIN THE CHIMNEY) TO PRODUCE ELECTRICITY
BT SOLAR ENERGY
RT WIND TURBINES

*****SOLAR COLLECTORS

DEF A DEVICE USED TO GATHER AND ACCUMULATE SOLAR RADIATION
BT SOLAR ENERGY
NT COMBINED COLLECTORS
NT CONCENTRATING COLLECTORS
NT EVACUATED TUBE COLLECTORS
NT FLAT PLATE COLLECTORS
NT PARABOLIC COLLECTORS
NT PARABOLIC DISH COLLECTORS
NT PARABOLIC TROUGH COLLECTORS
NT SOLAR AIR HEATERS
NT SOLAR PONDS
NT SOLAR WATER HEATERS
RT ACTIVE SOLAR SYSTEMS
RT CENTRAL RECEIVERS
RT PASSIVE SOLAR SYSTEMS
RT PHOTOVOLTAICS
RT SELECTIVE SURFACES
RT SOLAR ABSORBERS
RT SOLAR ABSORPTION
RT SOLAR ARRAYS
RT SOLAR THERMAL ELECTRIC

*****SOLAR CONCENTRATORS

DEF A REFLECTOR, LENSE OR OTHER OPTICAL ELEMENT WHICH DIRECTS AND FOCUSSES SOLAR IRRADIANCE ONTO AN ABSORBER WITH A SURFACE AREA SMALLER THAN THE CONCENTRATOR APERTURE AREA
CT + PARABOLIC REFLECTORS
BT SOLAR ENERGY
NT COMPOUND PARABOLIC CONCENTRATORS
NT LUMINESCENT SOLAR CONCENTRATORS
NT PARABOLIC DISHES
NT PARABOLIC REFLECTORS
NT PARABOLIC TROUGHS
NT PHOTOVOLTAIC CONCENTRATORS
NT SOLAR REFLECTORS
RT CONCENTRATING COLLECTORS
RT FRESNEL LENSES
RT REFLECTORS
RT SOLAR COOKERS

*****SOLAR COOKERS

DEF A DEVICE WHICH USES SOLAR RADIATION TO BOIL WATER OR COOK FOOD
BT SOLAR ENERGY
NT SOLAR OVENS
RT PARABOLIC DISHES
RT SOLAR CONCENTRATORS
RT SOLAR COOKING

*****SOLAR COOKING

RT SOLAR COOKERS

*****SOLAR COOLING

DEF USE OF SOLAR RADIATION FOR COOLING
BT SOLAR ENERGY
NT PASSIVE SOLAR COOLING
NT SOLAR ABSORPTION COOLING SYSTEMS
NT SOLAR AIR CONDITIONERS
RT SOLAR ASSISTED AIR CONDITIONERS
RT SOLAR ASSISTED HEAT PUMPS
RT SOLAR REFRIGERATORS

*****SOLAR CROP DRYING

BT SOLAR DRYING

*****SOLAR DESALINATION

RT SOLAR DISTILLATION

*****SOLAR DISTILLATION

BT DISTILLATION
RT SOLAR DESALINATION
RT SOLAR PROCESS HEAT
RT SOLAR STILLS

*****SOLAR DISTRICT HEATING

BT DISTRICT HEATING
BT SOLAR HEATING

*****SOLAR DRYING

DEF USE OF SOLAR RADIATION FOR DRYING
BT DRYING
BT SOLAR ENERGY
NT SOLAR CROP DYING
RT SOLAR PROCESS HEAT

*****SOLAR ELECTRIC CONVERSION

DEF TECHNIQUE IN WHICH ENERGY FROM THE SUN IS TRANSFORMED INTO ELECTRICITY BY WAY OF SOLAR THERMAL, PHOTOVOLTAIC, OCEAN THERMAL, AND WIND CONVERSION
BT ENERGY CONVERSION
NT PHOTOVOLTAICS
NT SOLAR ELECTRIC CONVERSION SYSTEMS
NT SOLAR THERMAL CONVERSION
RT OCEAN THERMAL ENERGY CONVERSION
RT SOLAR THERMAL ELECTRIC

*****SOLAR ELECTRIC CONVERSION SYSTEMS

BT SOLAR ELECTRIC CONVERSION
RT WIND ENERGY CONVERSION SYSTEMS

*****SOLAR ENERGY

DEF ENERGY TRANSMITTED FROM THE SUN IN THE FORM OF ELECTROMAGNETIC RADIATION (A NARROW DEFINITION). THE BROADER DEFINITION INCLUDES THE DERIVED FORM OF SUN'S ENERGY, SUCH AS, WIND, WATER AND BIOMASS
UF SOLAR POWER
UF SUN ENERGY
UF SUN POWER
BT ALTERNATIVE ENERGY
BT ENERGY SOURCES
BT RENEWABLE ENERGY
NT BIOMASS
NT PASSIVE SOLAR ENERGY
NT PHOTOVOLTAICS
NT SOLAR ABSORPTION
NT SOLAR ARRAYS
NT SOLAR CHIMNEYS
NT SOLAR COLLECTORS
NT SOLAR CONCENTRATORS
NT SOLAR COOKERS
NT SOLAR COOLING
NT SOLAR DRYING
NT SOLAR FARMS
NT SOLAR HEATING
NT SOLAR HOUSES
NT SOLAR IRRADIANCE
NT SOLAR PONDS
NT SOLAR PUMPS
NT SOLAR RADIATION
NT SOLAR SPACE HEATING
NT SOLAR STILLS
NT SOLAR THERMAL CONVERSION
NT SOLAR THERMAL POWER PLANTS
NT SOLAR WATER HEATERS
NT SOLAR WATER HEATING
NT SOLAR WATER PUMPS
NT SUNLIGHT
NT WIND ENERGY
RT SOLAR ENERGY RESEARCH

*****SOLAR ENERGY RESEARCH

BT RENEWABLE ENERGY RESEARCH
RT SOLAR ENERGY

*****SOLAR FARMS

DEF A LARGE ASSEMBLY OF SOLAR COLLECTOR DEVICES, POSSIBLY IN A DESERT AREA AND PROBABLY FOR THE PRODUCTION OF ELECTRICITY FOR SALE TO THE ELECTRICAL GRID
BT SOLAR ENERGY
RT CENTRAL RECEIVERS
RT ELECTRICITY
RT PHOTOVOLTAIC ARRAYS
RT SOLAR THERMAL POWER PLANTS
RT WIND FARMS

*****SOLAR GREENHOUSES

BT GREENHOUSES
BT SOLAR BUILDINGS
RT PASSIVE SOLAR ENERGY

*****SOLAR HEATING

BT HEATING
BT SOLAR ENERGY
NT ACTIVE SOLAR HEATING
NT DIRECT GAIN SYSTEMS
NT PASSIVE SOLAR HEATING
NT SOLAR ASSISTED HEAT PUMPS
NT SOLAR DISTRICT HEATING
NT SOLAR SPACE HEATING
NT SOLAR WATER HEATING
RT SOLAR PROCESS HEAT
RT SOLAR WATER HEATERS

*****SOLAR HOUSES

DEF A HOUSE DESIGNED TO UTILISE RADIANT ENERGY FROM THE SUN TO PROVIDE A SIGNIFICANT PROPORTION OF ITS HEATING OR COOLING LOADS
BT HOUSES
BT SOLAR BUILDINGS
BT SOLAR ENERGY
NT ACTIVE SOLAR HOUSES
NT PASSIVE SOLAR HOUSES
RT F-CHART
RT INSULATION
RT TROMBE WALLS

*****SOLAR I

USE SOLAR ONE

*****SOLAR IRRADIANCE

DEF THE AMOUNT OF RADIATION FROM THE SUN, BOTH DIRECT AND DIFFUSE, RECIEVED AT ANY PARTICULAR LOCATION
UF SOLAR IRRADIATION
BT RADIATION
BT SOLAR ENERGY
BT SOLAR RADIATION
NT DIFFUSE SOLAR RADIATION
NT DIRECT SOLAR RADIATION
RT PYRANOMETERS
RT SHORT WAVE RADIATION

*****SOLAR IRRADIATION

USE SOLAR IRRADIANCE

*****SOLAR ONE

UF SOLAR I
UF SOLAR 1
BT SOLAR THERMAL POWER PLANTS

*****SOLAR OVENS

BT OVENS
BT RURAL ENERGY
BT SOLAR COOKERS

*****SOLAR PONDS

DEF A SOLAR COLLECTOR COMPRISING A RELATIVELY SHALLOW POND OF LIQUID CONSISTING USUALLY OF A DENSE SALINE WATER GRADIENT COVERED WITH A NON-CONVECTIVE LAYER OF FRESH WATER
BT ENERGY STORAGE
BT SOLAR COLLECTORS
BT SOLAR ENERGY
NT SALT GRADIANT SOLAR PONDS
RT SOLAR THERMAL POWER PLANTS
RT SOLAR WATER HEATERS
RT SOLAR WATER HEATING

*****SOLAR POWER

USE SOLAR ENERGY

*****SOLAR POWERED REFRIGERATORS

USE SOLAR REFRIGERATORS

*****SOLAR PROCESS HEAT

BT PROCESS HEAT
RT SOLAR DISTILLATION
RT SOLAR DRYING
RT SOLAR HEATING
RT SOLAR STILLS
RT SOLAR WATER HEATERS
RT SOLAR WATER HEATING

*****SOLAR PUMPS

DEF A PUMP POWERED BY SOLAR ENERGY
BT PUMPS
BT SOLAR ENERGY
NT CAMEL PUMPS
NT PHOTOVOLTAIC PUMPS
NT SOLAR THERMAL PUMPS
NT SOLAR WATER PUMPS
RT ANIMAL DRIVEN PUMPS
RT HAND PUMPS
RT WINDMILLS

*****SOLAR RADIATION

DEF THE TOTAL ELECTROMAGNETIC RADIATION EMITTED FROM THE SUN INCLUDING PRIMARILY THE ULTRAVIOLET, VISIBLE AND INFRA-RED SPECTRA
BT RADIATION
BT SOLAR ENERGY
NT DIFFUSE SOLAR RADIATION
NT DIRECT SOLAR RADIATION
NT SOLAR ABSORPTION
NT SOLAR IRRADIANCE
RT SHORT WAVE RADIATION
RT SUNLIGHT

*****SOLAR RECEIVERS

UF SOLAR CELL RECEIVERS
UF SOLAR THERMAL RECEIVERS
NT CENTRAL RECEIVERS
RT CONCENTRATING COLLECTORS
RT HELIOSTATS
RT SOLAR ABSORBERS

*****SOLAR REFLECTORS

BT SOLAR CONCENTRATORS
NT PARABOLIC REFLECTORS
RT SUNLIGHT

*****SOLAR REFRIGERATORS

UF SOLAR POWERED REFRIGERATORS
RT SOLAR COOLING

*****SOLAR SPACE HEATING

DEF THE HEATING OF INTERIORS OF BUILDINGS WITH SOLAR ENERGY
BT SOLAR ENERGY
BT SOLAR HEATING
BT SPACE HEATING
RT ACTIVE SOLAR HEATING
RT BUILDINGS
RT GLAZING
RT PASSIVE SOLAR HEATING

*****SOLAR STILLS

DEF A DISTILLATION DEVICE ENERGISED BY SOLAR RADIATION USUALLY TO OBTAIN FRESH WATER FROM BRACKISH OR SALINE WATER
BT EVAPORATORS
BT SOLAR ENERGY
RT SOLAR DISTILLATION
RT SOLAR PROCESS HEAT

*****SOLAR TAX CREDITS

RT WIND FARMS

*****SOLAR THERMAL CONVERSION

DEF PROCESS OF CONCENTRATING SUNLIGHT ON A RELATIVELY SMALL AREA TO CREATE THE HIGH TEMPERATURES NEEDED TO VAPORISE WATER OR OTHER FLUIDS TO DRIVE A TURBINE FOR THE GENERATION OF ELECTRIC POWER
BT ENERGY CONVERSION
BT SOLAR ELECTRIC CONVERSION
BT SOLAR ENERGY
RT OCEAN THERMAL ENERGY CONVERSION
RT POWER GENERATION
RT SOLAR THERMAL ELECTRIC

*****SOLAR THERMAL ELECTRIC

DEF UTILISATION OF SOLAR RADIATION TO HEAT A WORKING FLUID TO A TEMPERATURE WHEREBY A TURBINE CAN BE POWERED TO PRODUCE ELECTRICITY
NT SOLAR THERMAL POWER PLANTS
RT PHOTOVOLTAICS
RT POWER GENERATION
RT SOLAR COLLECTORS
RT SOLAR THERMAL CONVERSION

*****SOLAR THERMAL ELECTRIC PLANTS

USE SOLAR THERMAL POWER PLANTS

*****SOLAR THERMAL ELECTRIC SYSTEMS

USE SOLAR THERMAL POWER PLANTS

*****SOLAR THERMAL POWER PLANTS

DEF A SYSTEM WHICH USES SOLAR RADIATION TO HEAT A WORKING FLUID TO POWER A TURBINE (EITHER DIRECTLY OR INDIRECTLY) TO GENERATE ELECTRICITY
UF SOLAR THERMAL ELECTRIC PLANTS
UF SOLAR THERMAL ELECTRIC SYSTEMS
BT POWER PLANTS
BT SOLAR ENERGY
BT SOLAR THERMAL ELECTRIC
BT THERMAL POWER PLANTS
NT SOLAR ONE
RT CENTRAL RECEIVERS
RT CONCENTRATING COLLECTORS
RT DISTRIBUTED COLLECTOR SYSTEMS
RT EVACUATED TUBE COLLECTORS
RT EVAPORATORS
RT PHOTOVOLTAICS
RT RANKINE CYCLE
RT SOLAR FARMS
RT SOLAR PONDS
RT SOLAR THERMAL POWER STATIONS
RT TURBINES

*****SOLAR THERMAL POWER STATIONS

BT POWER STATIONS
BT THERMAL POWER STATIONS
RT SOLAR THERMAL POWER PLANTS

*****SOLAR THERMAL PUMPS

BT PUMPS
BT SOLAR PUMPS

*****SOLAR THERMAL RECEIVERS

USE SOLAR RECEIVERS

*****SOLAR WATER HEATERS

BT SOLAR COLLECTORS
BT SOLAR ENERGY
BT WATER HEATERS
NT PASSIVE SOLAR WATER HEATERS
RT EVACUATED TUBE COLLECTORS
RT FLAT PLATE COLLECTORS
RT SOLAR HEATING
RT SOLAR PONDS
RT SOLAR PROCESS HEAT
RT SOLAR WATER HEATING
RT SOLAR WATER HEATING PANELS

*****SOLAR WATER HEATING

DEF A SYSTEM FOR COLLECTING AND UTILISING SOLAR ENERGY FOR HEATING OR PREHEATING WATER MAINLY FOR DOMESTIC PURPOSES
BT SOLAR ENERGY
BT SOLAR HEATING
BT WATER HEATING
RT EVACUATED TUBE COLLECTORS
RT SOLAR PONDS
RT SOLAR PROCESS HEAT
RT SOLAR WATER HEATERS
RT SOLAR WATER HEATING PANELS

*****SOLAR WATER HEATING PANELS

BT SOLAR ARRAYS
RT SOLAR WATER HEATERS
RT SOLAR WATER HEATING
RT WATER HEATERS

*****SOLAR WATER PUMPS

BT PUMPS
BT SOLAR ENERGY
BT SOLAR PUMPS
BT WATER PUMPS
NT PHOTOVOLTAIC WATER PUMPS

*****SOLAR-GENERATED ELECTRICITY

CT SOLAR ENERGY
+ POWER GENERATION

*****SOLID FUELS

BT ENERGY SOURCES
BT FUELS
NT BRIQUETTED FUELS
NT COAL
NT COKE
NT FUELWOOD
NT LIGNITE
NT PEAT
NT PELLETISED FUELS
NT PULVERISED FUELS
NT WASTE DERIVED FUELS
RT ASH
RT CHARCOAL

*****SOLID INJECTION

BT FUEL INJECTION

*****SOLID WASTE

BT WASTES
NT WOOD WASTES
RT ENERGY RECOVERY
RT INDUSTRIAL WASTES
RT ORGANIC WASTES
RT REFUSE
RT WASTE DERIVED FUELS
RT WASTE DISPOSAL

*****SOLVENT EXTRACTION

BT COAL LIQUEFACTION
RT FIXED BEDS
RT LIQUID FLUIDISED BEDS

*****SOLVENT REFINED COAL

RT COAL CONVERSION
RT COAL DERIVED FUELS

*****SOOT

RT ACID SMUTS
RT AIR POLLUTION
RT FLY ASH
RT PARTICULATES

*****SOOT FORMATION

SN ENGINES
RT TURBULENCE

*****SORGHUM

BT ENERGY CROPS
BT PLANTS
NT GRAIN SORGHUM
NT SWEET SORGHUM
RT CEREALS
RT ETHANOL
RT FERMENTATION
RT FOOD

*****SORGHUM STRAW

BT CROP RESIDUES

*****SOUND PROOFING

SN ENGINES
RT ENGINE NOISE

*****SOUR CRUDES

BT CRUDE OIL

*****SOYABEAN OIL

BT VEGETABLE OILS

*****SPACE HEATING

BT HEATING
NT SOLAR SPACE HEATING
RT AIR CONDITIONING
RT ELECTRIC HEATING
RT STOVES
RT VENTILATION

*****SPACE HVAC SYSTEMS

SN HEATING, VENTILATION AND AIR CONDITIONING SYSTEMS
BT THERMODYNAMICS
RT AIR CONDITIONERS
RT AIR CONDITIONING
RT HEATING
RT REFRIGERATION

*****SPARK IGNITION CYCLE

USE OTTO CYCLE

*****SPARK IGNITION ENGINES

DEF ENGINES IN WHICH THE FUEL AND AIR IS PREMIXED AND IGNITED BY AN ELECTRICAL DISCHARGE (SPARK). IT IS BASED ON THE OTTO CYCLE
UF PETROL ENGINES
BT ENGINES
RT BUTYL ALCOHOL
RT COMPRESSION IGNITION ENGINES
RT FOUR STROKE ENGINES
RT GAS TURBINES
RT HIGH COMPRESSION ENGINES
RT IGNITION
RT METHYL TERTIARY BUTYL ETHER
RT NORMAL COMBUSTION
RT OTTO CYCLE
RT OTTO ENGINES
RT RECIPROCATING PISTON ENGINES
RT SPARK PLUGS
RT STELZER ENGINES
RT STRATIFIED CHARGE ENGINES
RT TWO STROKE ENGINES
RT TURBOCHARGERS
RT WANKEL ENGINES

*****SPARK PLUGS

DEF A DEVICE USED TO INITIATE COMBUSTION
SN SPARK IGNITION ENGINES
UF PLUGS
BT COMBUSTION CHAMBERS
RT IGNITION SYSTEMS
RT SPARK IGNITION ENGINES

*****SPECIFIC FUEL CONSUMPTION

USE ENGINE EFFICIENCY

*****SPECTRALLY SELECTIVE SURFACES

USE SELECTIVE SURFACES

*****SPECTROSCOPY

NT LASER SPECTROSCOPY
NT MOLECULAR SPECTROSCOPY

*****SPENT FUEL

USE IRRADIATED FUEL

*****SPONTANEOUS IGNITION

BT IGNITION
BT KNOCK

*****SPOUTED BEDS

BT CHEMICAL REACTORS
RT FLUIDISED BEDS

*****SPRAY PATTERNS

SN ENGINES
RT SWIRL

*****SQUISH

SN ENGINES
BT ANTI KNOCK
BT COMBUSTION CHAMBERS
BT SWIRL
BT TURBULENCE
RT PISTONS

*****SQUISH ZONE

SN ENGINES
RT SQUISH

*****STACK GASES

USE FLUE GASES OR
USE WASTE GASES

*****STACKS

RT GASEOUS WASTES

*****STALL

SN ENGINES
RT DRIVEABILITY

*****STARCHES

RT CASSAVA
RT HYDROLYSIS

*****STATIC ELECTRICITY

BT ELECTRICITY

*****STEADY SPEED

RT DRIVING CYCLES

*****STEAM

NT STEAM GENERATION
NT STEAM TURBINES
NT SUPERHEATING
RT PROCESS HEAT

*****STEAM COAL

DEF COAL SUITABLE FOR USE UNDER STEAM BOILERS. IT IS INTERMEDIATE IN RANK BETWEEN BITUMINOUS COAL AND ANTHRACITE
BT COAL
RT BITUMINOUS COAL
RT BOILERS
RT STEAM COAL CONSUMPTION

*****STEAM COAL CONSUMPTION

BT COAL CONSUMPTION
RT STEAM COAL CONSUMPTION

*****STEAM COAL PRODUCTION

BT COAL PRODUCTION
RT STEAM COAL

*****STEAM ENGINES

BT ENGINES
BT EXTERNAL COMBUSTION ENGINES
BT RECIPROCATING PISTON ENGINES
RT STIRLING ENGINES

*****STEAM GASIFICATION

BT GASIFICATION
RT GASIFIERS

*****STEAM GENERATION

BT STEAM
RT HEAT EXCHANGERS

*****STEAM GENERATORS

USE BOILERS

*****STEAM TURBINES

BT STEAM
BT TURBINES
RT GAS TURBINES
RT TURBOGENERATORS
RT WATER TURBINES

*****STELZER ENGINES

DEF A PATENTED DESIGN OF FREE PISTON ENGINE BASED ON A TWO-STROKE CYCLE PRINCIPAL
BT FREE PISTON ENGINES
RT OTTO ENGINES
RT SPARK IGNITION ENGINES
RT TWO STROKE ENGINES

*****STILLAGE

DEF THE RESIDUE FROM AN ALCOHOLIC FERMENTATION AFTER REMOVAL OF THE ALCOHOL IN A STILL
UF VINASSE
BT ORGANIC WASTES
RT ALCOHOL FERMENTATION
RT DISTILLATION
RT DISTILLERS DRIED GRAINS AND SOLIDS

*****STIRLING CYCLE

DEF A THERMODYNAMIC CYCLE COMPRISING ISENTROMIC COMPRESSION , HEAT INPUT AT CONSTANT TEMPERATURE, ISENTROPIC EXPANSION AND HEAT REJECTION AT CONSTANT TEMPERATURE
BT THERMODYNAMIC CYCLES
RT DIESEL CYCLE
RT ISENTROPIC COMPRESSION
RT ISENTROPIC EXPANSION
RT OTTO CYCLE
RT RANKINE CYCLE
RT STIRLING ENGINES

*****STIRLING ENGINES

DEF AN ENGINE DESIGNED TO OPERATE ON THE STIRLING CYCLE
BT ENGINES
RT COMPRESSION IGNITION ENGINES
RT SPARK IGNITION ENGINES
RT STEAM ENGINES
RT STIRLING CYCLE

*****STOICHIOMETRY

RT MOTOR VEHICLE EMISSIONS

*****STOKES RAMAN SPECTROSCOPY

BT ROTATIONAL RAMAN SPECTROSCOPY
RT ANTI STOKES RAMAN SPECTROSCOPY

*****STORAGE

NT ENERGY STORAGE
NT HYDROGEN STORAGE
NT PUMPED STORAGE
NT RADIOACTIVE WASTE STORAGE
NT WASTE STORAGE

*****STORAGE BATTERIES

USE BATTERIES

*****STOVES

UF COOKSTOVES
BT COOKING APPLIANCES
NT CERAMIC STOVES
NT CHARCOAL STOVES
NT GAS STOVES
NT KEROSENE STOVES
NT METAL STOVES
NT MUD STOVES
NT WOOD BURNING STOVES
RT COOKING
RT EFFICIENCY
RT FUELWOOD
RT SOLAR OVENS
RT SPACE HEATING

*****STRATIFIED CHARGE ENGINES

DEF A SPARK IGNITION ENGINE THAT OPERATES AT VERY HIGH AIR FUEL RATIOS BY STRATIFYING THE CHARGE INTO A LEAN AND A RICH ZONE
SN SPARK IGNITION ENGINES
UF LEAN BURN ENGINES
BT SPARK IGNITION ENGINES
RT AIR FUEL RATIO
RT CHARGE STRATIFICATION
RT EINSTEINIAN VORTEX
RT EMISSION CONTROL DEVICES
RT EXHAUST CATALYSTS
RT EXHAUST GAS RECIRCULATION
RT HIGH COMPRESSION ENGINES
RT LEAN BURN
RT MIXTURE CONTROL
RT PART-LOAD EFFICIENCY
RT THROTTLING LOSS

*****STRIP MINING

BT COAL MINING
RT BORD AND PILLAR MINING
RT LONGWALL MINING
RT OPENCAST MINING
RT UNDERGROUND MINING

*****STRUCTURES (BUILDINGS)

USE BUILDINGS

*****SUB-BITUMINOUS COAL

BT COAL
BT FOSSIL FUELS
RT ANTHRACITE
RT BITUMINOUS COAL
RT COAL RANK
RT LIGNITE
RT PEAT
RT STEAM COAL

*****SUBSTITUTE FUELS

USE ALTERNATIVE FUELS

*****SUBSTITUTE NATURAL GAS

USE SYNTHETIC NATURAL GAS

*****SUCROSE

UF SACCHAROSE
BT SUGARS

*****SUGAR BEET

BT ENERGY CROPS
RT FOOD
RT SUGAR INDUSTRY
RT SUGARS

*****SUGAR CANE

BT ENERGY CROPS
RT BAGASSE
RT ETHANOL
RT FOOD
RT MOLASSES
RT SUGAR INDUSTRY
RT SUGARS

*****SUGAR INDUSTRY

BT INDUSTRY
RT SUGAR BEET
RT SUGAR CANE
RT SUGARS

*****SUGARS

UF SACCHARIDES
NT FRUCTOSE
NT SUCROSE
RT BIOMASS
RT MOLASSES
RT SUGAR BEET
RT SUGAR CANE
RT SUGAR INDUSTRY

*****SULPHUR DIOXIDE

DEF AN AIR POLLUTANT GENERATED MAINLY FROM THE COMBUSTION OF FUELS CONTAINING SULPHUR
UF SO2
SN EMISSIONS
BT MOTOR VEHICLE EMISSIONS
BT POLLUTANTS
BT POWER STATION EMISSIONS
BT SULPHUR OXIDES
RT ACID RAIN
RT ACID SMUTS
RT AIR POLLUTION
RT SULPHUR TRIOXIDE

*****SULPHUR OXIDES

DEF COMPOUNDS COMPOSED OF SULPHUR AND OXYGEN PRODUCED BY THE BURNING OF SULPHUR AND ITS COMPOUNDS IN COAL, OIL AND GAS
NT SULPHUR DIOXIDE
NT SULPHUR TRIOXIDE
RT FLUE GASES

*****SULPHUR TRIOXIDE

UF SO3
BT SULPHUR OXIDES
RT SULPHUR DIOXIDE

*****SUNFLOWER OIL

USE SUNFLOWER SEED OIL

*****SUNFLOWER SEED OIL

UF SUNFLOWER OIL
BT VEGETABLE OILS
RT PEANUT OIL

*****SUNLIGHT

UF SUNSHINE
BT SOLAR ENERGY
RT SOLAR RADIATION
RT SOLAR REFLECTORS

*****SUNSHINE

USE SUNLIGHT

*****SUPERCHARGERS

RT SUPERCHARGING
RT TURBOCHARGERS

*****SUPERCHARGING

DEF A TECHNIQUE WHEREBY A COMPRESSOR IS DRIVEN BY THE ENGINE TO PRESSURISE THE INLET STREAM
SN ENGINES
NT BOOST PRESSURE
RT COMPRESSOR EFFICIENCY
RT COMPRESSORS
RT ROOTS BLOWER
RT SUPERCHARGERS
RT TURBOCHARGING

*****SUPERHEATING

BT HEATING
BT STEAM

*****SUPERPHENIX REACTOR

BT SODIUM COOLED REACTORS

*****SUPPLY

NT COAL SUPPLY
NT ENERGY SUPPLY
RT DEMAND
RT ECONOMICS

*****SURFACE IGNITION

RT ABNORMAL COMBUSTION

*****SURFACE TO VOLUME RATIO

SN ENGINES
BT COMBUSTION CHAMBERS

*****SWEET CRUDES

BT CRUDE OIL

*****SWEET SORGHUM

BT ENERGY CROPS
BT SORGHUM

*****SWELLING INDEX

BT COAL ANALYSIS
BT COAL PROPERTIES
RT COAL COMPOSITION

*****SWEPT VOLUME

BT VOLUMETRIC EFFICIENCY

*****SWIRL

DEF A FORM OF TURBULENCE WITHIN AN ENGINE COMBUSTION CHAMBER WHERE GAS ROTATES ABOUT SOME COMMON AXIS
SN INTERNAL COMBUSTION ENGINES
BT TURBULENCE
NT ANGULAR MOMENTUM
NT EINSTEINIAN VORTEX
NT SQUISH
NT THROAT
NT VORTEX
RT ABNORMAL COMBUSTION
RT ANTI KNOCK
RT COMBUSTION CHAMBERS
RT INLET PORTS
RT SPRAY PATTERNS
RT SWIRL CHAMBERS

*****SWIRL CHAMBERS

RT SWIRL
RT TURBULENCE

*****SYNCRUDE

USE SYNTHETIC CRUDE OIL

*****SYNFUELS

USE SYNTHETIC FUELS

*****SYNGAS

USE SYNTHETIC NATURAL GAS

*****SYNTHESIS GAS

DEF A MIXTURE OF GASES MADE SPECIFICALLY FOR USE IN A SYNTHESIS PROCESS
BT GASES
RT COGAS PROCESS

*****SYNTHESISING

DEF A CHEMICAL PROCESS IN WHICH ELEMENTS OR RELATIVELY SIMPLE COMPOUNDS ARE MADE TO COMBINE AND BUILD UP INTO MORE COMPLEX MATERIALS. IT IS THE OPPOSITE OF ANALYSIS
SN FUELS
RT POLYMERISATION

*****SYNTHETIC CRUDE OIL

DEF THE BASIC UNREFINED OILS PRODUCED IN THE MANUFACTURE OF OIL FROM COAL
UF SYNCRUDE
UF SYNTHETIC PETROLEUM
BT CRUDE OIL
BT OIL FROM COAL
BT SYNTHETIC FUELS
RT COAL LIQUID MIXTURES
RT MOBIL M GASOLINE PROCESS

*****SYNTHETIC FIBRES

BT PETROCHEMICALS

*****SYNTHETIC FUELS

UF SYNFUELS
BT ALTERNATIVE FUELS
BT FOSSIL FUELS
BT FUELS
NT COAL DERIVED FUELS
NT COAL ETHANOL MIXTURES
NT COAL LIQUID MIXTURES
NT COAL METHANOL MIXTURES
NT COAL OIL MIXTURES
NT COAL WATER MIXTURES
NT OIL FROM COAL
NT OIL SANDS
NT SASOL FUELS
NT SHALE OIL
NT SLURRY FUELS
NT SYNTHETIC CRUDE OIL
NT SYNTHETIC NATURAL GAS
RT COAL CONSUMPTION
RT COAL CONVERSION
RT COAL GASIFICATION
RT COAL LIQUEFACTION
RT ENERGY RESEARCH
RT FISCHER TROPSCH SYNTHESIS
RT H COAL PROCESS
RT MOBIL M GASOLINE PROCESS
RT SASOL PROCESS
RT SYNTHETIC FUELS INDUSTRY
RT SYNTHOIL PROCESS
RT SYNTHOL PROCESS

*****SYNTHETIC FUELS INDUSTRY

BT INDUSTRY
RT SYNTHETIC FUELS

*****SYNTHETIC GAS

USE SYNTHETIC NATURAL GAS

*****SYNTHETIC NATURAL GAS

UF HIGH BTU GAS
UF SNG
UF SUBSTITUTE NATURAL GAS
UF SYNGAS
UF SYNTHETIC GAS
BT GASES
BT NATURAL GAS
BT SYNTHETIC FUELS
RT HYGAS PROCESS
RT SNG PROCESS

*****SYNTHETIC PETROLEUM

USE SYNTHETIC CRUDE OIL

*****SYNTHINE PROCESS

UF FISCHER TROPSCH PROCESS

*****SYNTHOIL PROCESS

BT COAL LIQUEFACTION
RT SYNTHETIC FUELS

*****SYNTHOL PROCESS

BT COAL LIQUEFACTION
RT SYNTHETIC FUELS

*****TAIL GASES

USE WASTE GASES

*****TAILINGS

RT BENEFICIATION

*****TANKERS

BT MARINE TRANSPORTATION
RT SHIPS

*****TAPIOCA

USE CASSAVA

*****TAPPETS

BT ENGINE NOISE

*****TAR SANDS

USE OIL SANDS

*****TARIFFS

NT ELECTRICITY TARIFFS
RT PRICES

*****TARS

NT COAL TARS
RT FLASH HYDROPYROLYSIS
RT PYROLYSIS

*****TBA

USE TERTIARY BUTYL ALCOHOL

*****TERTIARY BUTANOL

USE TERTIARY BUTYL ALCOHOL

*****THERMAL CRACKING

DEF EFFECTED SOLELY BY THE ACTION OF TEMPERATURE AND PRESSURE AND IS CHARACTERISED BY A HIGH YIELD OF COKE AND LIGHT PRODUCT
BT CRACKING
RT CATALYTIC CRACKING
RT HYDROCRACKING

*****THERMAL DECOMPOSITION

BT COAL CONVERSION
BT DECOMPOSITION
NT FLASH HYDROPYROLYSIS
NT FLASH PYROLYSIS
NT PYROLYSIS
RT COAL
RT COAL GASIFICATION
RT COAL LIQUEFACTION
RT COAL TARS

*****THERMAL ENERGY STORAGE

BT ENERGY STORAGE

*****THERMAL GRAVIMETRIC ANALYSIS

UF THERMOGRAVIMETRY
BT THERMAL ANALYSIS
RT DECOMPOSITION

*****THERMAL INSULATION

USE INSULATION

*****THERMAL POWER PLANTS

BT POWER PLANTS
NT COMBINED CYCLE POWER PLANTS
NT DISTRIBUTED COLLECTOR SYSTEMS
NT GEOTHERMAL POWER PLANTS
NT NUCLEAR POWER PLANTS
NT SOLAR THERMAL POWER PLANTS

*****THERMAL POWER STATIONS

BT POWER STATIONS
NT SOLAR THERMAL POWER STATIONS

*****THERMAL RECOVERY PROCESSES

BT ENHANCED OIL RECOVERY

*****THERMAL REFORMING

BT REFORMING
RT CATALYTIC REFORMING
RT PLATFORMING

*****THERMAL STORAGE

USE HEAT STORAGE

*****THERMAL STORAGE WALLS

DEF WALLS USUALLY USED IN SOLAR BUILDINGS WHICH ARE DESIGNED TO ABSORB AND STORE HEAT DERIVED FROM THE SUN AND THEN TO TRANSMIT THIS HEAT TO THE BUILDING SPACE DURING NIGHT OR COLD PERIODS
UF HEAT STORAGE WALLS
BT HEAT STORAGE
BT WALLS
NT TROMBE WALLS
RT LOW ENERGY BUILDINGS
RT PHASE CHANGE CHEMICALS
RT PASSIVE SOLAR BUILDINGS
RT ROCK BEDS

*****THERMOCHEMICAL HEAT STORAGE

BT HEAT STORAGE

*****THERMOCHEMICAL PROCESSES

BT BIOCONVERSION
NT CARBONISATION
NT CATALYTIC CRACKING
NT COMBUSTION
NT GASIFICATION
NT LIQUEFACTION
NT PYROLYSIS

*****THERMODYNAMIC CYCLES

NT BINARY CYCLE
NT BRAYTON CYCLE
NT COMBINED CYCLES
NT HEAT PUMPS
NT OTTO CYCLE
NT RANKINE CYCLE
NT STIRLING CYCLE
RT THERMODYNAMICS

*****THERMODYNAMIC EFFICIENCY

BT EFFICIENCY
BT ENGINE EFFICIENCY

*****THERMODYNAMICS

NT HEAT GAIN
NT HEATING
NT LATENT HEAT
NT SPACE HVAC SYSTEMS
RT ENERGY RECOVERY
RT EXERGY
RT HEAT TRANSFER
RT THERMODYNAMIC CYCLES

*****THERMOELECTRICITY

BT ELECTRICITY

*****THERMOGRAVIMETRY

USE THERMAL GRAVIMETRIC ANALYSIS

*****THERMONUCLEAR REACTORS

USE FUSION REACTORS

*****THIN FILM CELLS

DEF A PHOTOVOLTAIC CELL PRODUCED BY DEPOSITION AS A FILM RATHER THAN BY A MONOCRYSTAL TECHNIQUE
BT PHOTOVOLTAICS

*****THIRD WORLD

USE DEVELOPING COUNTRIES

*****THORIUM

DEF AN ELEMENT OF ATOMIC MASS 232 WHICH CAN BE CONVERTED INTO A FISSILE MATERIAL BY THE ABSORPTION OF A NEUTRON. A FERTILE MATERIAL
BT NUCLEAR FUELS
RT FUEL CYCLES
RT THORIUM CYCLE

*****THORIUM CYCLE

BT FUEL CYCLES
RT THORIUM

*****THREE MILE ISLAND

DEF A NUCLEAR POWER STATION WITH PRESSURISED WATER REACTORS WHICH WAS THE SCENE OF A PARTIAL CORE MELTDOWN
UF TMI
BT NUCLEAR POWER STATIONS
RT NUCLEAR ACCIDENTS
RT NUCLEAR SAFETY
RT PRESSURISED WATER REACTORS

*****THREE-WAY CATALYSTS

SN SPARK IGNITION ENGINES
BT EXHAUST CATALYSTS
RT OXIDATION CATALYSTS

*****THROTTLE BODY INJECTION

BT FUEL INJECTION

*****THROTTLES

SN ENGINES
BT CARBURETTORS

*****THROTTLING

RT VOLUMETRIC EFFICIENCY

*****THROTTLING LOSS

RT STRATIFIED CHARGE ENGINES

*****THUD

SN ENGINES
BT ENGINE NOISE
BT PRE IGNITION

*****TIDAL BARRAGE

DEF RETAINING WORKS LOCATED ACROSS A BAY OR ESTUARY AND DESIGNED TO IMPOUND INCOMING TIDAL WATER IN THE BASIN OR BASINS FORMED BY THE RETAINING WORKS ON THE ONE HAND, AND THE UPSTREAM ESTUARY OR COAST OF THE BAY, ON THE OTHER HAND
RT TIDAL POWER

*****TIDAL POWER

DEF POWER DERIVED FROM THE RISE AND FALL OF THE TIDES WHICH MAY BE USED TO DRIVE TURBINES, LOCATED IN A BARRAGE, WHICH MAY GENERATE ELECTRICITY
UF HYDRO POWER
BT ALTERNATIVE ENERGY
BT ENERGY SOURCES
BT OCEAN ENERGY
BT RENEWABLE ENERGY
BT RENEWABLE ENERGY RESEARCH
NT FLOATING TIDAL PLANTS
RT TIDAL BARRAGE
RT TIDAL POWER PLANTS
RT TIDAL POWER STATIONS
RT TURBINES

*****TIDAL POWER PLANTS

BT POWER PLANTS
RT TIDAL POWER

*****TIDAL POWER STATIONS

BT POWER STATIONS
RT TIDAL POWER

*****TIMBER INDUSTRY

BT INDUSTRY
RT SAWMILLS

*****TIMING

SN ENGINES
BT ANTI KNOCK
NT VALVE TIMING

*****TIP SPEED RATIO

RT WINDMILLS

*****TMI

USE THREE MILE ISLAND

*****TOKOMAK REACTORS

DEF EXPERIMENTAL NUCLEAR FUSION REACTORS USING A HOT PLASMA CONFINED IN A TORUS
BT FUSION REACTORS
NT JOINT EUROPEAN TORUS
RT TORUS

*****TOPPING CYCLES

USE BINARY CYCLE

*****TORBANITE

USE OIL SHALES

*****TORNADO-TYPE WIND TURBINES

DEF GRUMMAN AEROSPACE CORP. NAME FOR VERTICAL AXIS TURBINE IN BOTTOM OF VERTICAL SLOTTED CYLINDER WITH LARGE AIR INTAKE BENEATH CYLINDER
BT VERTICAL AXIS WIND TURBINES
BT WIND TURBINES

*****TORQUE

NT TORQUE CURVE

*****TORQUE CURVE

BT ENGINE PERFORMANCE
BT TORQUE

*****TORUS

DEF THE DOUGHNUT-SHAPED MAGNETIC CONTAINMENT THAT HAS BEEN USED IN SEVERAL OF THE MOST IMPORTANT PLASMA CONFINEMENT STUDIES FOR FUSION ENERGY
RT TOKOMAK REACTORS

*****TOSCO PROCESS

RT OIL SHALES

*****TOTAL ENERGY SYSTEMS

DEF INTEGRATED POWER PRODUCTION PROCESSES MAKING USE OF TOTAL ENERGY AVAILABLE IN FUEL
UF INTEGRATED UTILITY SYSTEMS
NT TOTEM
RT COGENERATION
RT COMBINED CYCLES
RT ENERGY CONSERVATION
RT ENERGY CONSUMPTION

*****TOTEM

BT TOTAL ENERGY SYSTEMS

*****TOXICITY

RT FORMALDEHYDE

*****TRACTION

SN RURAL ENERGY
RT ANIMAL POWER
RT DRAUGHT ANIMALS

*****TRADE

NT COAL TRADE
NT ENERGY TRADE
RT ECONOMICS

*****TRAINS

UF ELECTRIC TRAINS
BT PASSENGER TRANSPORTATION
BT RAIL TRANSPORTATION

*****TRANSMISSION SYSTEMS

RT GRIDS

*****TRANSPORT FUELS

BT FUELS
NT AUTOMOTIVE FUELS
RT ALCOHOL FUELS
RT ALTERNATIVE FUELS
RT TRANSPORTATION

*****TRANSPORTATION

NT AIR TRANSPORTATION
NT MARINE TRANSPORTATION
NT PASSENGER TRANSPORTATION
NT RAIL TRANSPORTATION
NT ROAD TRANSPORTATION
NT RURAL TRANSPORTATION
RT ELECTRIC VEHICLES
RT TRANSPORT FUELS

*****TREES

NT CASUARINA
NT EUCALYPTS
NT LEUCAENA
RT BIOMASS
RT FORESTRY
RT FORESTS
RT FUELWOOD
RT WOOD
RT WOODLOTS

*****TROLLEY BUSES

BT BUSES
BT ELECTRIC VEHICLES

*****TROMBE WALLS

DEF A VERTICAL SUN-FACING BLACKENED BUILDING WALL, WITH AN OUTER GLASS OR TRANSPARENT COVER, WHICH ACTS AS BOTH A SOLAR RADIATION ABSORBER AND A THERMAL STORAGE DEVICE ENABLING THE UPWARD FLOW OF WARM AIR BETWEEN THE COVER AND THE WALL TO CIRCULATE THROUGH DUCTS TO THE ROOM
BT ENERGY STORAGE
BT HEAT STORAGE
BT PASSIVE SOLAR ENERGY
BT PASSIVE SOLAR HEATING
BT THERMAL STORAGE WALLS
BT WALLS
RT LOW ENERGY BUILDINGS
RT PASSIVE SOLAR BUILDINGS
RT SOLAR BUILDINGS
RT SOLAR HOUSES

*****TRUCKS

BT ROAD TRANSPORTATION
BT VEHICLES

*****TUNGKU LOWON

BT WOOD BURNING STOVES

*****TURBINE GENERATORS

USE TURBOGENERATORS

*****TURBINE PUMPS

BT PUMPS
RT REVERSIBLE TURBINES

*****TURBINES

BT TURBOMACHINERY
NT GAS TURBINES
NT STEAM TURBINES
NT WATER TURBINES
NT WIND TURBINES
RT REVERSIBLE TURBINES
RT SOLAR THERMAL POWER PLANTS
RT TIDAL POWER
RT TURBOCHARGERS

*****TURBOCHARGERS

DEF A DEVICE THAT USES THE EXHAUST STREAM OF AN ENGINE TO DRIVE A TURBINE WHICH IN TURN DRIVES A COMPRESSOR TO PRESSURISE THE INLET STREAM
SN ENGINES
NT BOOST PRESSURE
NT TURBOLAG
RT CHARGE COOLING
RT COMPRESSORS
RT OTTO ENGINES
RT SPARK IGNITION ENGINES
RT SUPERCHARGERS
RT TURBINES
RT TURBOCHARGING
RT VOLUMETRIC EFFICIENCY

*****TURBOCHARGING

RT SUPERCHARGING
RT TURBOCHARGERS

*****TURBOGENERATORS

UF TURBINE GENERATORS
BT TURBOMACHINERY
RT STEAM TURBINES

*****TURBOLAG

BT TURBOCHARGERS

*****TURBOMACHINERY

NT COMPRESSORS
NT TURBINES
NT TURBOGENERATORS

*****TURBULENCE

DEF A TERM USED TO DEFINE A TYPE OF FLUID MOTION IN ENGINES
SN INTERNAL COMBUSTION ENGINES
NT FLAME INITIATION
NT FLAME PROPAGATION
NT MICRO TURBULENCE
NT SHEARING
NT SQUISH
RT ABNORMAL COMBUSTION
RT ANTI KNOCK
RT SOOT FORMATION
RT SWIRL CHAMBERS

*****TUTUKA POWER STATION

BT POWER STATIONS

*****TWO STROKE ENGINES

BT ENGINES
RT OTTO ENGINES
RT RECIPROCATING PISTON ENGINES
RT SPARK IGNITION ENGINES

*****UBF

USE UNBURNED FUEL

*****ULTIMATE ANALYSIS

BT COAL ANALYSIS
BT COAL PROPERTIES

*****UNBURNED FUEL

DEF FUEL LEFT UNBURNED AFTER INCOMPLETE COMBUSTION
SN EMISSIONS
UF UBF
UF UNBURNED HYDROCARBONS
BT MOTOR VEHICLE EMISSIONS
BT PHOTOCHEMICAL SMOG
BT SMOG
NT ALDEHYDES
NT HYDROCARBONS
NT KETONES
RT CARBON DIOXIDE
RT CARBON MONOXIDE
RT NITROGEN OXIDES
RT PARTICULATES
RT POLYCYCLIC AROMATIC HYDROCARBONS

*****UNBURNED HYDROCARBONS

USE UNBURNED FUEL

*****UNCONTROLLED COMBUSTION

USE ABNORMAL COMBUSTION

*****UNDERDEVELOPED AREAS

DEF POOR BLACK AREAS WITHOUT ACCESS TO ELECTRICITY
UF DEVELOPING AREAS
BT UNDERDEVELOPMENT
NT CLOSER SETTLEMENTS
NT PERI-URBAN AREAS
NT RURAL AREAS
RT APPROPRIATE TECHNOLOGY
RT DEVELOPED SECTOR

*****UNDERDEVELOPMENT

NT UNDERDEVELOPED AREAS

*****UNDERGROUND COAL GASIFICATION

DEF A PROCESS FOR CONVERTING COAL IN SITU UNDERGROUND INTO FUEL GAS AND PUMPING IT TO THE SURFACE
BT COAL GASIFICATION

*****UNDERGROUND MINING

NT BORD AND PILLAR MINING
NT LONGWALL MINING
RT OPENCAST MINING
RT STRIP MINING

*****UNLEADED PETROL

DEF PETROL THAT DOES NOT CONTAIN LEAD-BASED, ANTI-KNOCK ADDITIVES
UF LEAD FREE PETROL
BT PETROL
RT LEAD
RT LEADED PETROL
RT MOTOR VEHICLE EMISSIONS

*****UPDRAFT WOOD GASIFIERS

BT WOOD GASIFIERS

*****URANIUM

DEF AN ELEMENT WITH ISOTOPES OF ATOMIC MASS 233, 235 AND 238. IT IS A NUCLEAR FUEL.
BT NUCLEAR FUELS
NT ENRICHED URANIUM
RT FISSILE MATERIALS
RT FUEL CYCLES
RT IRRADIATED FUEL
RT URANIUM ENRICHMENT

*****URANIUM ENRICHMENT

DEF THE DEVELOPMENT, DESIGN, CONSTRUCTION AND OPERATION OF SYSTEMS, PROCESSES AND COMPONENTS TO PERMIT ISOTOPIC SEPARATION AND ENRICHMENT OF THE ISOTOPE URANIUM 235 IN URANIUM FOR USE AS A NUCLEAR FUEL
RT ENRICHED URANIUM
RT FUEL CYCLES
RT URANIUM

*****URBAN DRIVING CYCLES

BT DRIVING CYCLES

*****VACUUM TUBE COLLECTORS

USE EVACUATED TUBE COLLECTORS

*****VALVE TIMING

SN ENGINES
BT TIMING
RT INTAKE VALVES

*****VANS

BT ROAD TRANSPORTATION
BT VEHICLES

*****VAPOURISATION

USE EVAPORATION

*****VEE GROOVES

DEF A SURFACE PREPARATION TO ENHANCE THE ABSORPTIVE POWER TO SOLAR RADIATION
SN SOLAR ENERGY
BT SELECTIVE SURFACES
RT SOLAR ABSORPTION

*****VEGETABLE OILS

BT ALTERNATIVE FUELS
BT ENERGY CROPS
BT OILS
NT CASTER OIL
NT OLIVE OIL
NT PEANUT OIL
NT RAPESEED OIL
NT SOYABEAN OIL
NT SUNFLOWER SEED OIL
RT DIESEL FUELS

*****VEHICLES

NT BATTERY VEHICLES
NT BICYCLES
NT BUSES
NT ELECTRIC VEHICLES
NT HYBRID VEHICLES
NT MOTORCYCLES
NT MOTOR VEHICLES
NT TRAINS
NT TRUCKS
NT VANS
RT FLYWHEELS

*****VENTILATION

RT SPACE HEATING

*****VENTURI

SN ENGINES
BT CARBURETTORS

*****VERTICAL AXIS WIND TURBINES

BT WIND TURBINES
NT TORNADO-TYPE WIND TURBINES
RT DARRIEUS WIND TURBINES
RT HORIZONTAL AXIS WIND TURBINES
RT SAVONIUS ROTORS

*****VILLAGE WOODLOTS

BT WOODLOTS

*****VINASSE

USE STILLAGE

*****VISCOSITY

BT COLD START

*****VITRINITE

BT COAL CLASSIFICATION
BT MACERALS

*****VOLATILES

NT COAL VOLATILES
RT CHAR
RT COAL
RT COAL TARS
RT FLASH HYDROPYROLYSIS

*****VOLATILISATION

USE EVAPORATION

*****VOLATILITY

SN FUELS
NT BOILING POINT
NT PARTIAL PRESSURE
NT REID VAPOUR PRESSURE
NT VAPORISERS
RT COLD START
RT DISTILLATION

*****VOLTAIC CELLS

USE BATTERIES

*****VOLUMETRIC EFFICIENCY

DEF THE RATIO OF THE MASS OF INLET CHARGE DRAWN INTO AN ENGINE TO THE THEORETICAL MASS THAT WOULD OCCUPY THE SWEPT VOLUME AT THE CONDITIONS OF PRESSURE AND TEMPERATURE THAT EXIST AT THE INLET PORT
SN ENGINES
BT EFFICIENCY
NT CLEARANCE VOLUME
NT INLET MACH INDEX
NT SWEPT VOLUME
RT CHARGE COOLING
RT INLET PORTS
RT INTAKE VALVES
RT PUMPING LOSS
RT THROTTLING
RT TURBOCHARGERS

*****VORTEX

SN ENGINES
BT SWIRL
NT EINSTEINIAN VORTEX

*****WALLS

NT THERMAL STORAGE WALLS
NT TROMBE WALLS

*****WANKEL ENGINES

USE ROTARY COMBUSTION ENGINES

*****WASTE DERIVED FUELS

UF MSW
UF MUNICIPAL SOLID WASTE
UF RDF
UF REFUSE DERIVED FUELS
UF WDF
BT ALTERNATIVE FUELS
BT FUELS
BT SOLID FUELS
RT BRIQUETTED FUELS
RT COGENERATION
RT FEED PREPARTION
RT FLUIDISED BED COMBUSTION
RT FUEL BINDERS
RT GASIFICATION
RT INDUSTRIAL WASTES
RT METHANE
RT PELLETISED FUELS
RT PYROLYSIS
RT REFUSE
RT SOLID WASTE
RT WOOD WASTES

*****WASTE DISPOSAL

UF DISCHARGES (WASTES)
UF DISPOSAL (WASTES)
UF NONRADIOACTIVE WASTE DISPOSAL
BT WASTE MANAGEMENT
NT RADIOACTIVE WASTE DISPOSAL
NT SANITARY LANDFILLS
RT GASEOUS WASTES
RT LIQUID WASTES
RT RADIOACTIVE WASTES
RT REFUSE
RT SOLID WASTE
RT WASTE PROCESSING
RT WASTES

*****WASTE GASES

UF STACK GASES
UF TAIL GASES
RT ENERGY RECOVERY
RT HEAT EXCHANGERS
RT HEAT RECOVERY
RT RECUPERATORS

*****WASTE HEAT

BT HEAT
BT WASTES
NT WASTE HEAT BOILERS
NT WASTE HEAT RECOVERY
RT ENERGY SOURCES
RT RECUPERATORS

*****WASTE HEAT BOILERS

BT BOILERS
BT WASTE HEAT
RT WASTE HEAT RECOVERY

*****WASTE HEAT RECOVERY

BT HEAT RECOVERY
BT WASTE HEAT
RT COGENERATION
RT ENERGY RECOVERY
RT HEAT PUMPS
RT WASTE HEAT BOILERS

*****WASTE INCINERATION

BT INCINERATION
BT WASTE DISPOSAL

*****WASTE MANAGEMENT

BT MANAGEMENT
NT RADIOACTIVE WASTE MANAGEMENT
NT WASTE DISPOSAL
NT WASTE PROCESSING
NT WASTE STORAGE
RT RADIOACTIVE WASTES
RT WASTE OILS

*****WASTE OILS

BT OILS
RT LUBRICATING OILS
RT WASTE MANAGEMENT

*****WASTE PROCESSING

BT PROCESSING
BT WASTE MANAGEMENT
NT AEROBIC DIGESTION
NT ANAEROBIC DIGESTION
RT LIQUID WASTES
RT WASTE DISPOSAL

*****WASTE STORAGE

BT STORAGE
BT WASTE MANAGEMENT
NT RADIOACTIVE WASTE STORAGE

*****WASTES

NT AGRICULTURAL RESIDUES
NT GASEOUS WASTES
NT INDUSTRIAL WASTES
NT LIQUID WASTES
NT ORGANIC WASTES
NT RADIOACTIVE WASTES
NT REFUSE
NT SOLID WASTE
NT WASTE HEAT
NT WOOD WASTES
RT WASTE DISPOSAL

*****WATER COOLED REACTORS

BT NUCLEAR REACTORS
NT BOILING WATER REACTORS
NT HEAVY WATER REACTORS
NT LIGHT WATER REACTORS
NT PRESSURISED WATER REACTORS

*****WATER HEATERS

UF HOT WATER HEATERS
NT SOLAR WATER HEATERS
RT HEATING
RT SOLAR WATER HEATING PANELS

*****WATER HEATING

BT HEATING
NT SOLAR WATER HEATING

*****WATER INJECTION

RT CHARGE COOLING

*****WATER POLLUTION

BT POLLUTION

*****WATER PUMPS

BT PUMPS
NT PHOTOVOLTAIC WATER PUMPS
NT SOLAR WATER PUMPS

*****WATER TURBINES

UF HYDROELECTRIC TURBINES
BT TURBINES
BT TURBOMACHINERY
RT HYDROELECTRIC POWER
RT MICRO HYDRO
RT MINI HYDRO
RT SMALL HYDRO
RT WATER WHEELS

*****WATER WHEELS

DEF A WHEEL DESIGNED TO BE TURNED BY THE IMPACT OF FLOWING WATER WHICH CAN BE USED TO DRIVE MACHINERY, RAISE WATER ETC
RT WATER TURBINES

*****WAVE ENERGY

UF HYDRO POWER
UF WAVE POWER
BT ALTERNATIVE ENERGY
BT ENERGY SOURCES
BT OCEAN ENERGY
BT RENEWABLE ENERGY
RT DUCKS
RT OSCILLATING WATER COLUMNS
RT POWER GENERATION
RT SEA CLAMS
RT WAVE ENERGY DEVICES
RT WAVE ENERGY RESEARCH

*****WAVE ENERGY DEVICES

DEF DEVICES DESIGNED TO CAPTURE WAVE ENERGY FOR CONVERSION TO USEFUL ENERGY, WHICH MAY OR MAY NOT BE ELECTRICAL ENERGY AND MAY OR MAY NOT BE TRANSMITTED TO SHORE
NT DUCKS
NT OSCILLATING WATER COLUMNS
NT SEA CLAMS
RT WAVE ENERGY

*****WAVE ENERGY RESEARCH

BT RENEWABLE ENERGY RESEARCH
RT WAVE ENERGY

*****WAVE POWER

USE WAVE ENERGY

*****WAVE-GENERATED ELECTRICITY

CT WAVE ENERGY
+ POWER GENERATION

*****WDF

USE WASTE DERIVED FUELS

*****WEAR

NT ENGINE WEAR
RT ABRASION
RT BENEFICIATION
RT COAL GRINDING
RT GRINDING

*****WECS

USE WIND ENERGY CONVERSION SYSTEMS

*****WESTINGHOUSE GASIFIERS

BT GASIFIERS

*****WET GAS

BT NATURAL GAS

*****WIND MACHINES

USE WINDMILLS OR
USE WIND TURBINES

*****WIND POWER

USE WIND ENERGY

*****WIND PUMPS

USE WINDMILLS

*****WIND TUNNELS

DEF A LABORATORY LOCATED CHAMBER OR DUCT IN WHICH A CONTROLLED AIR FLOW IS INDUCED IN ORDER TO STUDY THE AERODYNAMIC CHARCTERISTICS OF OBJECTS INCLUDING WIND TURBINE BLADES
RT AERODYNAMICS

*****WIND TURBINES

DEF A ROTATING MACHINE FOR GENERATING POWER FROM WIND
UF WIND GENERATORS
UF WIND MACHINES
BT TURBINES
NT DARRIEUS WIND TURBINES
NT HORIZONTAL AXIS WIND TURBINES
NT SAVONIUS ROTORS
NT TORNADO-TYPE WIND TURBINES
NT VERTICAL AXIS WIND TURBINES
RT SOLAR CHIMNEYS
RT MOD 2
RT MOD 5
RT WIND ENERGY
RT WIND ENERGY CONVERSION SYSTEMS
RT WIND FARMS
RT WINDMILLS

*****WIND VELOCITY

RT WIND ENERGY

*****WIND-GENERATED ELECTRICITY

CT WIND ENERGY
+ POWER GENERATION

*****WINDMILLS

DEF A WIND MACHINE POWERED BY ROTATING BLADES TO PRODUCE MECHANICAL POWER
UF WIND MACHINES
UF WIND PUMPS
BT PUMPS
BT RURAL ENERGY
NT CRETAN WINDMILLS
NT DUTCH WINDMILLS
RT SOLAR PUMPS
RT TIP SPEED RATIO
RT WIND ENERGY
RT WIND ENERGY CONVERSION SYSTEMS
RT WIND TURBINES

*****WINDSCALE

USE SELLAFIELD

*****WINKLER GASIFIERS

BT GASIFIERS

*****WINNING

DEF THE EXTRACTION OF AN ORE
BT MINING

*****WINSTON COLLECTORS

USE COMPOUND PARABOLIC CONCENTRATORS

*****WOOD

BT BIOFUELS
BT BIOMASS
BT ENERGY CROPS
NT FUELWOOD
RT CHARCOAL
RT EUCALYPTS
RT LEUCAENA
RT TREES
RT WOOD WASTES

*****WOOD ALCOHOL

USE METHANOL

*****WOOD BURNING STOVES

UF WOODBURNING STOVES
UF WOODSTOVES
BT STOVES
NT CHULAS
NT LORENA STOVES
NT LOUGA
NT NOUNA STOVES
NT TUNGKU LOWON
RT AIR POLLUTION
RT CERAMIC STOVES
RT CHARCOAL STOVES
RT DEFORESTATION
RT EFFICIENCY
RT EMISSIONS
RT FUELWOOD
RT METAL STOVES
RT MUD STOVES
RT SHIELDED FIRES

*****WOOD CHIPS

BT WOOD WASTES

*****WOOD FUELS

USE FUELWOOD

*****WOOD GAS

DEF A COMBUSTIBLE GAS PRODUCED IN THE GASIFICATION, CARBONISATION OR PARTIAL COMBUSTION OF WOOD, COMPRISING MAINLY CARBON MONOXIDE, NITROGEN, HYDROGEN, AND SMALLER AMOUNTS OF METHANE AND CARBON DIOXIDE
BT GASES
RT CARBONISATION
RT PRODUCER GAS
RT WOOD GASIFICATION

*****WOOD GASIFICATION

BT GASIFICATION
RT CARBONISATION
RT WOOD GAS
RT WOOD GASIFIERS

*****WOOD GASIFIERS

NT CROSS FLOW WOOD GASIFIERS
NT DOWN DRAFT WOOD GASIFIERS
NT UPDRAFT WOOD GASIFIERS
RT CARBONISATION
RT WOOD GAS
RT WOOD GASIFICATION

*****WOOD WASTES

UF HOG FUEL
BT SOLID WASTE
NT SAWDUST
NT WOOD CHIPS
RT FOREST RESIDUES
RT WASTE DERIVED FUELS
RT WOOD

*****WOODBURNING STOVES

USE WOOD BURNING STOVES

*****WOODLOTS

DEF A SMALL PLANTATION OF TREES FOR THE PRODUCTION MAINLY OF FUELWOOD AND/OR POLES
NT VILLAGE WOODLOTS
RT AFFORESTATION
RT AGROFORESTRY
RT EUCALYPTS
RT FORESTRY
RT FUELWOOD
RT LEUCAENA
RT TREES

*****WOODSTOVES

USE WOOD BURNING STOVES

*****YUCA

USE CASSAVA

*****ZEOLITES

RT DESICCANTS
RT MOBIL M GASOLINE PROCESS

APPENDIX A: GEOGRAPHIC NAMES

A

AFRICA
ALASKA
ANGOLA
ARAB COUNTRIES
ARGENTINA
ASIA
ATHENS
AUSTRALIA
AUSTRIA

B

BANGLADESH
BELGIUM
BOPHUTHATSWANA
BOTSWANA
BRAZIL
BRITISH COLUMBIA
BULGARIA

C

CALIFORNIA
CANADA
CAPE PROVINCE
CAPE TOWN
CARIBBEAN
CHINA
CISKEI
COLOMBIA
CONGO
CYPRUS
CZECHOSLOVAKIA

D

DEAD SEA
DENMARK
DUBLIN
DURBAN
DUSSELDORF

E

E EUROPE
E GERMANY
EGYPT
ETHIOPIA
EUROPE

F

FINLAND
FRANCE

G

GREECE
GREENLAND
GUATEMALA

H

HAWAII
HIMALAYAS
HOLLAND USE NETHERLANDS
HONG KONG
HUNGARY

I

INDIA
INDONESIA
IRAN
IRAQ
IRELAND
ISRAEL
ITALY

J

JAPAN
JOHANNESBURG
JORDAN

K

KENYA
KOREA
KRUGER PARK
KUWAIT
KWAZULU

L

LATIN AMERICA
LEBOWA
LESOTHO
LIBERIA
LOXTON
LUXEMBOURG
LYDENBURG

M

MALAWI
MALAYSIA
MALI
MAURITIUS
MEXICO
MIDDLE EAST
MILNERTON
MONGOLIA
MOZAMBIQUE

N

NAMIBIA SEE ALSO SOUTH WEST AFRICA
NATAL
NEPAL
NETHERLANDS
NEW YORK
NEW ZEALAND
NIGERIA
NORDIC COUNTRIES
NORTH SEA
NORWAY

O

ORKNEY

P

PACIFIC REGION
PAKISTAN
PAPUA NEW GUINEA
PHILIPPINES
POLAND
PORT ELIZABETH
PORTUGAL
PRETORIA

R

RICHARDS BAY
ROMANIA

S

S A USE SOUTH AFRICA
SCANDINAVIA
SCOTLAND
SENEGAL
SIERRA LEONE
SINGAPORE
SOUTH WEST AFRICA SEE ALSO NAMIBIA
SOUTH AFRICA
SOUTH AMERICA
SOUTHERN AFRICA
SOVIET UNION
SOWETO
SPAIN
SRI LANKA
SUDAN
SWAZILAND
SWEDEN
SWITZERLAND
SYDNEY

T

TAIWAN
TANZANIA
TASMANIA
THAILAND
TRANSKEI
TUNISIA
TURKEY

U

UGANDA
U K USE UNITED KINGDOM
UNITED KINGDOM
UNITED STATES
URUGUAY
U S A USE UNITED STATES
U S S R USE SOVIET UNION

V

VENDA

W

W AFRICA
W EUROPE
W GERMANY
WORLD

Y

YUGOSLAVIA

Z

ZAIRE
ZAMBIA
ZIMBABWE

APPENDIX B: CORPORATE BODIES

C

CEGB
CENTRAL ELECTRICITY GENERATING BOARD USE CEGB
COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH USE CSIR
CSIR

D

DEPT OF MINERAL AND ENERGY AFFAIRS USE MINERAL AND ENERGY AFFAIRS

E

EDF
EEC
ELECTRIC POWER RESEARCH INSTITUTE USE EPRI
ELECTRICITE DE FRANCE USE EDF
ELECTRICITY SUPPLY COMMISSION USE ESKOM
ENERGY RESEARCH INSTITUTE USE ERI
ENVIRONMENTAL PROTECTION AGENCY USE EPA
EPA
EPRI
ERI
ESKOM
EUROPEAN ECONOMIC COMMUNITY USE EEC

I

IEA
INTERNATIONAL ENERGY AGENCY USE IEA
IRON AND STEEL CORPORATION OF SOUTH AFRICA USE ISCOR
ISCOR

N

NATIONAL ENERGY COUNCIL USE NEC
NATIONAL INSTITUTE FOR COAL RESEARCH USE NICR
NEC
NICR

O

OECD
ORGANISATION FOR ECONOMIC COOPERATION AND DEVELOPMENT USE OECD

S

SADCC
SASOL
SERI
SHELL
SOEKOR
SOLAR ENERGY RESEARCH INSTITUTE USE SERI
SOUTH AFRICAN COAL OIL AND GAS CORPORATION USE SASOL
SOUTHERN AFRICAN DEVELOPMENT COORDINATION CONFERENCE USE SADCC

U

UCT
U N USE UNITED NATIONS
UNITED NATIONS
UNIVERSITY OF CAPE TOWN USE UCT

W

WEC
WORLD ENERGY CONFERENCE USE WEC