



Technology Keywords

Technology Keyword Number	Description
01	ELECTRONICS, IT AND TELECOMMS
01001	Electronics, Microelectronics
01001001	Automation, Robotics Control Systems
01001002	Digital Systems, Digital Representation
01002	Electronic circuits, components and equipment
01002001	Micro and Nanotechnology related to Electronics and Microelectronics
01002002	3D printing
01002003	Electronic engineering
01002004	Embedded Systems and Real Time Systems
01002005	High Frequency Technology, Microwaves
01002006	Magnetic and superconductor materials/devices
01002007	Nanotechnologies related to electronics & microelectronics
01002008	Optical Networks and Systems
01002009	Peripherals Technologies (Mass Data Storage, Displays)
01002010	Printed circuits and integrated circuits
01002011	Quantum Informatics
01002012	Semiconductors
01002013	Smart cards and access systems
01003	Information Processing & Systems, Workflow
01003001	Advanced Systems Architecture
01003002	Archivistics/Documentation/Technical Documentation
01003003	Artificial Intelligence (AI)
01003004	Computer Games
01003005	Computer Hardware
01003006	Computer Software
01003007	Computer Technology/Graphics, Meta Computing
01003008	Data Processing / Data Interchange, Middleware
01003009	Data Protection, Storage, Cryptography, Security
01003010	Databases, Database Management, Data Mining
01003011	Electronic Commerce, Electronic Payment & Signature
01003012	Imaging, Image Processing, Pattern Recognition
01003013	Information Technology/Informatics
01003014	Internet Technologies/Communication (Wireless, Bluetooth)
01003015	Knowledge Management, Process Management
01003016	Simulation



Technology Keyword Number	Description
01003017	Speech Processing/Technology
01003018	User Interfaces, Usability
01003019	Electronic Signature
01003020	Building Automation Software
01003021	Remote Control
01003022	Smart Appliances
01003023	Environmental and Biometrics Sensors, Actuators
01003024	Cloud Technologies
01003025	Internet of Things
01004	IT and Telematics Applications
01004001	Applications for Health
01004002	Applications for Tourism
01004003	Applications for Transport and Logistics
01004004	ASP Application Service Providing
01004005	e-Government
01004006	Environment Management Systems
01004007	GIS Geographical Information Systems
01004008	ERP - Electronic Resources Planning
01004009	CRM - Customer relationship Management
01004010	Quality Management System
01004011	Maintenance Management System
01004012	Operation Planning and Scheduler System
01004013	Didactic System
01004014	Serious Games
01004015	ICM – Internet Content Management
01004016	Analysis Risk Management
01004017	Work Hygiene and Safety Management
01005	Multimedia
01005001	Cultural Heritage
01005002	E-Learning
01005003	E-Publishing, Digital Content
01005004	Human Language Technologies
01005005	Information Filtering, Semantics, Statistics
01005006	Visualisation, Virtual Reality
01006	Telecommunications, Networking
01006001	Audiovisual Equipment and Communication
01006002	Broadband Technologies



Technology Keyword Number	Description
01006003	Mobile Communications
01006004	Narrow Band Technologies
01006005	Network Technology, Network Security
01006006	Radar
01006007	Research Networking, GRID
01006008	Satellite Technology/Positioning/Communication in GPS
01006009	Signal Processing
01006010	Hi-Fi
01006011	Description to Sound and Music Computing
01006012	Description Image/Video Computing
01006013	Communications Protocols, Interoperability
01006014	Residential Gateway
01006015	VoIP telephony, remote access
02	INDUSTRIAL MANUFACTURING, MATERIAL AND TRANSPORT
02001	Design and Modelling / Prototypes
02001001	3D printing
02002	Industrial Manufacture
02002001	Cleaning (sandblasting, brushing)
02002002	Coatings
02002003	Drying
02002004	Erosion, Removal (spark erosion, flame cutting, laser, ..)
02002005	Forming (rolling, forging, pressing, drawing)
02002006	Hardening, heat treatment
02002007	Joining techniques (riveting, screw driving, gluing)
02002008	Jointing (soldering, welding, sticking)
02002009	Machine Tools
02002010	Machining (turning, drilling, moulding, planing, cutting)
02002011	Machining, fine (grinding, lapping)
02002012	Mixing (powder, etc.), separation (sorting, filtering)
02002013	Moulding, injection moulding, sintering
02002014	Extrusion
02002015	Surface treatment (painting, galvano, polishing, CVD, ..)
02002016	Microengineering and nanoengineering
02002017	Micromachining, nanomachining
02002018	Microassembly, nanoassembly
02002019	Micropositioning, nanopositioning



Technology Keyword Number	Description
02003	Process control and logistics
02003001	Process automation
02003002	Manufacturing plants networks
02003003	Component integration
02003004	Supply chain
02003005	Information processing & Systems, Workflow
02003006	Prototypes, trials and pilot schemes
02004	Plant Design and Maintenance
02005	Packaging / Handling
02005001	Foil, fils
02005002	Laminate
02005003	Packaging for machines
02005004	Packaging for materials
02005005	Plastic bags
02006	Construction Technology
02006001	Materials, components and systems for construction
02006002	Construction methods and equipment
02006003	Fire Resistance/Safety
02006004	Installations related to construction (energy, lighting, ...)
02006005	Construction maintenance and monitoring methods & equipment
02006006	Construction engineering (design, simulation)
02006007	Management of construction process & life
02007	Materials Technology
02007001	Adhesives
02007002	Building materials
02007003	Ceramic Materials and Powders
02007004	Colours and varnish
02007005	Composite materials
02007006	Fine Chemicals, Dyes and Inks
02007007	Glass
02007008	Iron and Steel, Steelworks
02007009	Materials Handling Technology (solids, fluids, gases)
02007010	Metals and Alloys
02007011	Non-ferrous Metals
02007012	Optical Materials
02007013	Paper technology
02007014	Plastics, Polymers



Technology Keyword Number	Description
02007015	Properties of Materials, Corrosion/Degradation
02007016	Rubber
02007017	Stone
02007018	Advanced Textile Materials
02007019	Lightweight materials
02007020	Biobased materials
02007021	Carbon nanotubes
02007022	Conductive materials
02007023	Hybrid materials
02007024	Nanomaterials
02008	Transport Infrastructure
02008001	Air Transport
02008002	Intermodal Transport
02008003	Logistics
02008004	Railway Transport
02008005	Road Transport
02008006	Traffic Engineering / Control Systems
02008007	Transshipment Systems
02008008	Water Transport
02009	Transport and Shipping Technologies
02009001	Design of Vehicles
02009002	Hybrid and Electric Vehicles
02009003	Railway Vehicles
02009004	Road Vehicles
02009005	Shipbuilding
02009006	Traction/Propulsion Systems
02009007	Artificial intelligence applications for cars and transport
02009008	Navigation and embedded systems
02009009	Sensors for cars and transport
02009010	Lightweight construction
02009011	Air pollution control for cars and transport
02009012	Automotive engineering
02009013	Body and main parts
02009014	Automotive electrical and electronics
02009015	Audio / video
02009016	Charging system
02009017	Electrical supply system



Technology Keyword Number	Description
02009018	Measurement devices
02009019	Ignition system
02009020	Lighting and signalling system
02009021	Switches and wiring
02009022	Security systems
02009023	Interior equipment
02009024	Powertrain and chassis
02009025	Braking system
02009026	Energy supply system
02009027	Transmission systems
02010	Traffic, mobility
02010001	Planning and security
02010002	Engineering
02010003	System and transportation
02011	Aerospace Technology
02011001	Aeronautical technology / Avionics
02011002	Aircraft
02011003	Helicopter
02011004	Satellite Navigation Systems
02011005	Space Exploration and Technology
02011006	Propulsion
02011007	Guidance and control
02011008	Thermal insulation for space applications
03	OTHER INDUSTRIAL TECHNOLOGIES
03001	Other Industrial Technologies
03001001	Cleaning Technology
03002	Process Plant Engineering
03003	Apparatus Engineering
03004	Chemical Technology and Engineering
03004001	Agro chemicals
03004002	Inorganic Substances
03004003	Colours, dyes related to Chemical Technology
03004004	Electrical Engineering/ Electrical Equipment
03004005	Man-made fibres
03004006	Organic Substances
03004007	Pharmaceuticals
03004008	Plastics and Rubber related to Chemical Technology



Technology Keyword Number	Description
03004009	Soaps, detergents
03004010	Special chemicals, intermediates
03004011	Care, Hygiene, Beauty
03005	Textiles Technology
03005001	Component adhesives for strengthening of seam
03005002	Dry filling related to Textiles Technology
03005003	Dyeing related to Textiles Technology
03005004	Finisher related to Textiles Technology
03005005	Non weaving related to Textiles Technology
03005006	Solvent based glues for strengthening of edges and seam
03005007	Textile fibres
03005008	Weaving related to Textiles Technology
03005009	Woven technical textiles for industrial applications
03006	Footwear / Leather Technology
03006001	Dry filling related to Footwear / Leather Technology
03006002	Dyes related to Footwear / Leather Technology
03006003	Tanned leather process/ Leather Technology
03007	Sound Engineering/Technology
03008	Mining Technologies
03009	Printing
03009001	Flexography
03009002	Printed Reel Material
03010	Household Goods & Appliances
04	ENERGY
04001	Energy storage and transport
04001001	Heat storage
04001002	Heat transport and supply, district heating
04001003	Storage of electricity, batteries
04001004	Transmission of electricity
04001005	Transport and storage of gas and liquid fuels
04001006	Transport and storage of hydrogen
04001007	Power to gas technology
04002	Energy production, transmission and conversion
04002001	Fuel cells
04002002	Hydrogen production
04002003	Compression and liquefaction of gases
04002004	Furnace and boiler technologies



Technology Keyword Number	Description
04002005	Generators, electric engines and power converters
04002006	Heat exchangers
04002007	Heat pump
04002008	Cooling technologies
04002009	Turbines
04002010	Combined heat and power (CHP) engines
04002011	Micro-generation and grid connection
04002012	Other energy related machinery
04002013	Smart grids
04003	Fossil Energy Sources
04003001	Gaseous fossil fuel
04003002	Solid fossil fuel
04003003	Liquid fossil fuel
04003004	Mining and extraction
04004	Nuclear Fission / Nuclear Fusion
04005	Renewable Sources of Energy
04005001	Geothermal energy
04005002	Hydropower
04005003	Liquid biofuels
04005004	Photovoltaics
04005005	Solar/Thermal energy
04005006	Solid biomass
04005007	Waste incineration
04005008	Wind energy
04005009	Energy from wastewater
04005010	Integrated waste-energy processes
04005011	Bio-refineries for energy
04005012	Waste to energy - other
04006	Biogas and anaerobic digestion (AD)
04007	Energy efficiency
04007001	Energy management
04007002	Lighting, illumination
04007003	Process optimisation, waste heat utilisation
04007004	Thermal insulation
04007005	Heat pipes
04007006	Low, zero and plus energy rating



Technology Keyword Number	Description
04008	Other Energy Topics
04008001	Combustion, Flames
04008002	Fuels and engine technologies
04008003	Micro- and Nanotechnology related to energy
04009	Carbon capture and energy
05	PHYSICAL AND EXACT SCIENCES
05001	Chemistry
05001001	Analytical Chemistry
05001002	Computational Chemistry and Modelling
05001003	Inorganic Chemistry
05001004	Organic Chemistry
05001005	Petrochemistry, Petroleum Engineering
05002	Meteorology / Climatology
05002001	Biosensor
05003	Physics
05003001	Vibration and Acoustic engineering
05003002	Optics
05003003	Vacuum
05004	Separation Technologies
05004001	Filtration and Membrane Processes
05004002	Extraction
05004003	Adsorption
05004004	Distillation
05004005	Sublimation
05004006	Other Processes
05005	Micro- and Nanotechnology
06	BIOLOGICAL SCIENCES
06001	Medicine, Human Health
06001001	Biostatistics, Epidemiology
06001002	Clinical Research, Trials
06001003	Cytology, Cancerology, Oncology
06001004	Dentistry / Odontology, Stomatology
06001005	Diagnostics, Diagnosis
06001006	Human vaccines
06001007	Emergency medicine
06001008	Environmental Medicine, Social Medicine, Sports Medicine
06001009	Gene - DNA Therapy



Technology Keyword Number	Description
06001010	Gerontology and Geriatrics
06001011	Heart and blood circulation illnesses
06001012	Medical Research
06001013	Medical Technology / Biomedical Engineering
06001014	Neurology, Brain Research
06001015	Pharmaceutical Products / Drugs
06001016	Physiology
06001017	Surgery
06001018	Virus, Virology/Antibiotics/Bacteriology
06001019	Stem cell Technologies
06001020	Physiotherapy, Orthopaedic Technology
06001021	Single Use Products and Consumer Goods
06001022	Medical Textiles
06001023	Medical Furniture
06001024	Medical Biomaterials
06002	Biology / Biotechnology
06002001	Biochemistry / Biophysics
06002002	Cellular and Molecular Biology
06002003	Enzyme Technology
06002004	Protein Engineering
06002005	Genetic Engineering
06002006	Synthetic Biology
06002007	In vitro Testing, Trials
06002008	Microbiology
06002009	Molecular design
06002010	Toxicology
06002011	Bionics
06003	Genome Research
06003001	Bioinformatics
06003002	Gene Expression, Proteome Research
06003003	Population genetics
06004	Micro- and Nanotechnology related to Biological sciences
06005	E-Health
06005001	Safety & systems
06005002	Sensors & Wireless products
06005003	Health information management
06005004	Remote diagnostics



Technology Keyword Number	Description
06006	Industrial Biotechnology
06006001	Biobased Materials
06006002	Bioplastics
06006003	Biobased chemical building blocks
06006004	Biopolymers
06006005	Biobased high-performance materials
06006006	Biological Nanomaterials
06006007	Biolubricants
06006008	Biotensides
06006009	Ionic Liquids
06006010	Bio- Composites
06006011	Fermentation
06006012	Bioprocesses
06006013	Downstream Processing
07	AGRICULTURE AND MARINE RESOURCES
07001	Agriculture
07001001	Agriculture Machinery / Technology
07001002	Animal Production / Husbandry
07001003	Biocontrol
07001004	Crop Production
07001005	Horticulture
07001006	Pesticides
07001007	Precision agriculture
07001008	Seed coating
07001009	Veterinary Medicine
07001010	Micro- and Nanotechnology related to agriculture
07002	Silviculture, Forestry, Forest technology
07002001	Forest technology
07002002	Paper Technology
07002003	Pulp Technology
07002004	Silviculture, Forestry
07002005	Wood Products
07003	Resources of the Sea, Fisheries
07003001	Aquaculture
07003002	Fish / Fisheries / Fishing Technology
07003003	Marine Science
07003004	Micro- and Nanotechnology related to marine resources



Technology Keyword Number	Description
08	AGROFOOD INDUSTRY
08001	Technologies for the food industry
08001001	Drink Technology
08001002	Food Additives/Ingredients/Functional Food
08001003	Food Packaging / Handling
08001004	Food Processing
08001005	Food Technology
08002	Food quality and safety
08002001	Detection and Analysis methods
08002002	Food Microbiology / Toxicology / Quality Control
08002003	Safe production methods
08002004	Traceability of food
08003	Micro- and Nanotechnology related to agrofood
09	MEASUREMENTS AND STANDARDS
09001	Measurement Tools
09001001	Acoustic Technology related to measurements
09001002	Analyses / Test Facilities and Methods
09001003	Chemical material testing
09001004	Electrical Technology related to measurements
09001005	Mechanical Technology related to measurements
09001006	Optical material testing
09001007	Optical Technology related to measurements
09001008	Other Non Destructive Testing
09001009	Sensor Technology related to measurements
09001010	Thermal material testing
09002	Amplifier, A/D Transducer
09003	Electronic measurement systems
09004	Recording Devices
09005	Reference Materials
09006	Standards
09006001	Quality Standards
09006002	Technical Standards
10	PROTECTING MAN AND ENVIRONMENT
10001	Safety
10001001	Acoustic safety
10001002	Assessment of Environmental Risk and Impact
10001003	Fire Safety Technology



Technology Keyword Number	Description
10001004	Hazardous Materials
10001005	Radiation Protection
10001006	Protection against intoxication
10002	Environment
10002001	Indoor Air Pollution/Treatment
10002002	Outdoor Air Pollution/Treatment
10002003	Capture and Storage of CO ₂
10002004	Climate Change mitigation
10002005	Biodiversity / Natural Heritage
10002006	Ecology
10002007	Environmental Engineering / Technology
10002008	Measurement and Detection of Pollution
10002009	Natural Disasters
10002010	Remote sensing technology
10002011	Soil and Groundwater Pollution
10002012	Remediation of Contaminated Sites
10002013	Clean Production / Green Technologies
10002014	Noise Pollution
10002015	Life Cycle Assessment
10003	Waste Management
10003001	Biotreatment / Compost / Bioconversion
10003002	Incineration and Pyrolysis
10003003	Land and Sea Disposal
10003004	Recycling, Recovery
10003005	Radioactive Waste
10003006	Waste disinfection / detoxification
10003007	Waste to Energy /Resource
10003008	Landfill mining
10003009	Rare Earths Metals Treatment
10004	Water Management
10004001	Industrial Water Treatment
10004002	Municipal Water Treatment
10004003	Wastewater Recycling
10004004	Drinking Water
10004005	Rain Water
10004006	Sludge Treatment / Disposal
10004007	Desalination



Technology Keyword Number	Description
10004008	Water Resources Management
10004009	Marine Environment
10004010	Hydrology
10004011	Flood Management
10004012	Water in Buildings
10004013	Underground infrastructure
11	SOCIAL AND ECONOMICS CONCERNS
11001	Socio-economic models, economic aspects
11002	Education and Training
11003	Information and media, society
11004	Technology, Society and Employment
11005	Infrastructures for social sciences and humanities
11006	Citizens participation
11007	Sports and Leisure
11008	Creative services
11009	Creative products