

TECHNOLOGY KEYWORDS

Code	Description
001	ELECTRONICS, IT AND TELECOMMS
001001	Electronics, Microelectronics
001001001	Automation, Robotics Control Systems
001001002	Digital Systems, Digital Representation
001001003	Electronic circuits, components and equipment
001001004	Electronic engineering
001001005	Embedded Systems and Real Time Systems
001001006	High Frequency Technology, Microwaves
001001007	Magnetic and Superconductive Materials/Devices
001001008	Microengineering
001001009	Micromachining
001001010	Nanotechnologies related to Electronics and Microelectronics
001001011	Optical Networks and Systems
001001012	Peripherals Technologies (Mass Data Storage, Display Technologies) related to Electronics and Microelectronics
001001013	Printed Circuits and Integrated Circuits
001001014	Quantum Informatics
001001015	Semiconductors
001001016	Smart Cards and Access Systems
001001017	Environmental and Biometrics Sensors, Actuators
001002	Information Processing, Information System, Workflow Management
001002001	Advanced Systems Architecture
001002002	Archivistics/Documentation/Technical Documentation
001002003	Artificial Intelligence (AI)
001002004	Computer Games
001002005	Computer Hardware
001002006	Computer Software
001002007	Computer Technology/Graphics, Meta Computing
001002008	Data Processing/Data Interchange, Middleware
001002009	Data Protection, Storage Technology, Cryptography, Data Security
001002010	Databases, Database Management, Data Mining
001002011	Electronic Commerce, Electronic Payment
001002012	Imaging, Image Processing, Pattern Recognition
001002013	Information Technology/Informatics
001002014	Internet Technologies/Communication (Wireless, Wi-Fi, Bluetooth)
001002015	Knowledge Management, Process Management
001002016	Simulation
001002017	Speech Processing/Technology
001002018	User Interfaces, Usability
001002019	Electronic Signature
001002020	Building Automation Software
001002021	Remote Control
001002022	Smart Appliances
001003	IT and Telematics Applications
001003001	Applications for Health
001003002	Applications for Tourism
001003003	Applications for Transport and Logistics
001003004	ASP Application Service Providing
001003005	e-Government
001003006	Environment Management Systems & Documental Management Systems
001003007	GIS Geographical Information Systems
001003008	CRM - Customer relationship Management

001003009	Quality Management System
001003010	Maintenance Management System
001003011	Operation Planning and Scheduler System
001003012	Didactic System
001003013	ICM - Internet Content Management
001003014	Analysis Risk Management
001003015	Work Hygiene and Safety Management
001004	Multimedia
001004001	Cultural Heritage
001004002	E-Learning
001004003	E-Publishing, Digital Content
001004004	Human Language Technologies
001004005	Information Filtering, Semantics, Statistics
001004006	Visualisation, Virtual Reality
001005	Telecommunications, Networking
001005001	Audiovisual Equipment and Communication
001005002	Broadband Technologies
001005003	Mobile Communications
001005004	Narrow Band Technologies
001005005	Network Technology, Network Security
001005006	Radar
001005007	Research Networking, GRID
001005008	SatelliteTechnology/Systems/Positioning/Communication in GPS - Global Positioning System
001005009	Signal Processing
001005010	Hi-Fi
001005011	Description to Sound and Music Computing
001005012	Description Image/Video Computing
001005013	Communications Protocols, Interoperability
001005014	Residential Gateway

INDUSTRIAL MANUFACTURING, MATERIAL AND TRANSPORT TECHNOLOGIES

002	TECHNOLOGIES
002001	Design and Modelling/Prototypes
002002	Industrial Manufacture
002002001	Cleaning (sandblasting, brushing)
002002002	Coatings
002002003	Drying
002002004	Erosion, Removal (spark erosion, flame cutting, laser/plasma cutting, electrochemical erosion, waterjet cutting)
002002005	Forming (rolling, forging, pressing, drawing)
002002006	Hardening, heat treatment
002002007	Joining techniques (riveting, screw driving, gluing)
002002008	Jointing (soldering, welding, sticking)
002002009	Machine Tools
002002010	Machining (turning, drilling, moulding, milling, planning, cutting)
002002011	Machining, fine (grinding, lapping)
002002012	Mixing (powder, etc.), separation (sorting, filtering)
002002013	Moulding, injection moulding, extrusion, sintering
002002014	Surface treatment (painting, galvano, polishing, CVD, PVD)
002003	Process control and logistics
002004	Plant Design and Maintenance
002005	Packaging/Handling
002005001	Foil, fils
002005002	Laminate

002005003	Packaging for machines
002005004	Packaging for materials
002005005	Plastic bags
002006	Construction Technology
002006001	Building Materials, Components and Methods
002006002	Civil engineering
002006003	Construction Equipment
002006004	Fire Resistance/Safety
002006005	Mechanical Engineering, Hydraulics, Vibration and Acoustic Engineering related to construction technology
002006006	Pipeline Technology
002006007	Pulp Technology related to construction technology
002006008	Sensory/Multisensory Technology, Instrumentation related to construction technology
002006009	Simulation, Simulation Engineering
002006010	Sound Insulation
002006011	Vacuum/High Vacuum Technology
002006012	Gas Safety
002006013	Security
002007	Materials Technology
002007001	Adhesives
002007002	Building materials
002007003	Ceramic Materials and Powders
002007004	Colours and varnish
002007005	Composite materials
002007006	Fine Chemicals, Dyes and Inks
002007007	Glass
002007008	Iron and Steel, Steelworks
002007009	Materials Handling Technology (solids, fluids, gases)
002007010	Metals and Alloys
002007011	Non-ferrous Metals
002007012	Optical Materials
002007013	Paper technology
002007014	Plastics, Polymers
002007015	Properties of Materials, Corrosion/Degradation
002007016	Rubber
002007017	Stone
002007018	Advanced Textile Materials
002008	Transport Infrastructure
002008001	Air Transport
002008002	Intermodal Transport
002008003	Logistics
002008004	Railway Transport
002008005	Road Transport
002008006	Traffic Engineering/Control Systems
002008007	Transshipment Systems
002008008	Water Transport
002009	Transport and Shipping Technologies
002009001	Design of Vehicles
002009002	Hybrid and Electric Vehicles
002009003	Railway Vehicles
002009004	Road Vehicles
002009005	Shipbuilding
002009006	Traction/Propulsion Systems
002010	Aerospace Technology

002010001 Aeronautical technology/Avionics
002010002 Aircraft
002010003 Helicopter
002010004 Satellite Navigation Systems
002010005 Space Exploration and Technology

003 OTHER INDUSTRIAL TECHNOLOGIES

003001 Other Industrial Technologies

003001001 Cleaning Technology

003002 Process Plant Engineering

003003 Apparatus Engineering

003004 Chemical Technology and Engineering

003004001 Agro chemicals

003004002 Anorganic Substances

003004003 Colours, dyes related to Chemical Technology and engineering

003004004 Electrical Engineering and Technology/Electrical Equipment

003004005 Man made fibres

003004006 Organic Substances

003004007 Pharmaceutics

003004008 Plastics and Rubber related to Chemical Technology and engineering

003004009 Soaps, detergents

003004010 Special chemicals, intermediates

003004011 Care, Hygiene, Beauty

003005 Textiles Technology

003005001 Component adhesives for strengthening of seam

003005002 Dry filling related to Textiles Technology

003005003 Dyeing related to Textiles Technology

003005004 Finisher related to Textiles Technology

003005005 Non weaving related to Textiles Technology

003005006 Solvent based glues for strengthening of edges and seam

003005007 Thermoplastic textile fibres

003005008 Weaving related to Textiles Technology

003005009 Woven technical textiles for industrial applications

003006 Footwear/Leather Technology

003006001 Dry filling related to Footwear/Leather Technology

003006002 Dyes related to Footwear/Leather Technology

003006003 Tanned leather process related to Footwear/Leather Technology

003007 Sound Engineering/Technology

003008 Mining Technologies

003009 Printing

003009001 Flexography

003009002 Printed Reel Material

003010 Household Goods & Appliances

004 ENERGY

004001 Energy storage and transport

004001001 Heat storage

004001002 Heat transport and supply, district heating

004001003 Storage of electricity, batteries

004001004 Transmission of electricity

004001005 Transport and storage of gas and liquid fuels

004001006 Transport and storage of hydrogen

004002 Energy production, transmission and conversion

004002001 Fuel cell, hydrogen production

004002002 Fuel liquefaction, gasification

004002003 Furnace technology, construction of heating boilers

004002004 Generators, electric engines and power converters
004002005 Heat exchangers
004002006 Heat pump, cooling technologies
004002007 Heating, ventilation
004002008 Turbines, fluid machinery, reciprocating engines, combined heat and power

004003 Fossil Energy Sources

004003001 Coal and Hydrocarbons
004003002 Gaseous fossil fuel
004003003 Solid fossil fuel
004003004 Liquid fossil fuel

004004 Nuclear Fission/Nuclear Fusion

004005 Renewable Sources of Energy

004005001 Gaseous biomass
004005002 Geothermal energy
004005003 Hydropower
004005004 Liquid biomass
004005005 Photovoltaics
004005006 Solar/Thermal energy
004005007 Solid biomass
004005008 Unconventional and Alternative Energies
004005009 Waste incineration
004005010 Wind energy

004006 Rational use of energy

004006001 Energy management
004006002 Lighting, illumination
004006003 Process optimisation, waste heat utilisation
004006004 Thermal insulation, energy efficiency in buildings

004007 Other Energy Topics

004007001 Combustion, Flames
004007002 Fuel Technology

005 PHYSICAL AND EXACT SCIENCES

005001 Astronomy

005002 Chemistry

005002001 Analytical Chemistry
005002002 Computational Chemistry and Modelling
005002003 Inorganic Chemistry
005002004 Organic Chemistry
005002005 Petrochemistry, Petroleum Engineering

005003 Earth Sciences

005003001 Geology, Geological Engineering, Geotechnics
005003002 Oceanography
005003003 Tectonics, Seismology

005004 Mathematics, Statistics

005004001 Algorithms and Complexity
005004002 Mathematical modelling
005004003 Statistical Analysis

005005 Meteorology/Climatology

005005001 Biosensor
005005002 Moisture sensors
005005003 Temperature monitoring

005006 Physics

005006001 Acoustics
005006002 Astrophysics/Cosmology
005006003 Laser Technology

005006004	Nuclear Physics
005006005	Physics of Fluids
005006006	Sensors/Multisensor Technology, Instrumentation
005006007	Solid state physics
005006008	Thermodynamics
005006009	Vibration and Acoustic engineering
005006010	Optics
005007	Mechanical Engineering
005007001	Micro-Mechanics
005008	Hydraulics
005009	Separation Technologies
005009001	Filtration and Membrane Processes
005009002	Extraction
005009003	Adsorption
005009004	Distillation
005009005	Sublimation
005009006	Other Processes
005010	Micro- and Nanotechnology related to physical and exact sciences
006	BIOLOGICAL SCIENCES
006001	Medicine, Human Health
006001001	Biostatistics, Epidemiology
006001002	Care and Health Services
006001003	Clinical Research, Trials
006001004	Cytology, Cancerology, Oncology
006001005	Dentistry/Odontology, Stomatology
006001006	Diagnostics, Diagnosis
006001007	Diseases
006001008	Environmental Medicine, Social Medicine, Sports Medicine
006001009	Gene - DNA Therapy
006001010	Gerontology and Geriatrics
006001011	Heart and blood circulation illnesses
006001012	Electromedical and Medical Equipment
006001013	Medical Research
006001014	Medical Technology/Biomedical Engineering
006001015	Neurology, Brain Research
006001016	Pharmaceutical Products/Drugs
006001017	Physiology
006001018	Surgery
006001019	Virus, Virology/Antibiotics/Bacteriology
006001020	Laboratory Equipment
006001021	Rescue and Emergency Equipment
006001022	Physiotherapy, Orthopaedic Technology
006001023	Single Use Products and Consumer Goods
006001024	Medical Textiles
006001025	Medical Furniture
006001026	Medical Biomaterials
006002	Biology/Biotechnology
006002001	Biochemistry/Biophysics
006002002	Cellular and Molecular Biology
006002003	Enzymology/Protein Engineering/Fermentation
006002004	Genetic Engineering
006002005	In vitro Testing, Trials
006002006	Microbiology
006002007	Molecular design

006002008 Toxicology
006003 Genome Research
006003001 Bioinformatics
006003002 Gene Expression, Proteom Research
006003003 Population genetics
006004 Micro- and Nanotechnology related to Biological sciences

007 AGRICULTURE AND MARINE RESOURCES

007001 Agriculture
007001001 Agriculture Machinery/Technology
007001002 Animal Production/Husbandry
007001003 Biocontrol
007001004 Crop Production
007001005 Horticulture
007001006 Pesticides
007001007 Precision agriculture
007001008 Seed coating
007001009 Veterinary Medicine
007002 Sylviculture, Forestry, Forest technology
007002001 Forest technology
007002002 Paper Technology
007002003 Pulp Technology
007002004 Sylviculture, Forestry
007002005 Wood Products
007003 Resources of the Sea, Fisheries
007003001 Aquaculture
007003002 Fish/Fisheries/Fishing Technology
007003003 Marine Science

008 AGROFOOD INDUSTRY

008001 Technologies for the food industry
008001001 Drink Technology
008001002 Food Additives/Ingredients/Functional Food
008001003 Food Packaging/Handling
008001004 Food Processing
008001005 Food Technology
008002 Food quality and safety
008002001 Detection and Analysis methods
008002002 Food Microbiology/Toxicology/Quality Control
008002003 Safe production methods
008002004 Tracability of food
008003 Nutrition and Health

009 MEASUREMENTS AND STANDARDS

009001 Measurement Tools
009001001 Acoustic Technology related to measurements
009001002 Analyses/Test Facilities and Methods
009001003 Chemical material testing
009001004 Electrical Technology related to measurements
009001005 Mechanical Technology related to measurements
009001006 Optical material testing
009001007 Optical Technology related to measurements
009001008 Other Non Destructive Testing
009001009 Sensor Technology related to measurements
009001010 Thermal material testing
009002 Amplifier, A/D Transducer
009003 Electronic measurement systems

009004 **Recording Devices**
009005 **Reference Materials**
009006 **Standards**

009006001 Quality Standards
009006002 Technical Standards

010 **PROTECTING MAN AND ENVIRONMENT**

010001 **Safety**

010001001 Acoustic safety
010001002 Assessment of Risk
010001003 Fire Safety Technology
010001004 Hazardous Materials
010001005 Radiation Protection

010002 **Environment**

010002001 Air Pollution/Treatment
010002002 Biodiversity
010002003 Ecology
010002004 Environmental Engineering/Technology
010002005 Measurement and Detection of Pollution
010002006 Natural Disasters
010002007 Remote sensing technology
010002008 Soil Pollution
010002009 Water Pollution/Treatment

010003 **Waste Management**

010003001 Biotreatment/Compost/Bioconversion
010003002 Incineration and Pyrolysis
010003003 Land and Sea Disposal
010003004 Recycling, Recovery
010003005 Radioactive Waste

011 **SOCIAL AND ECONOMICS CONCERNS**

011001 **Socio-economic development models, economic aspects**

011002 **Education and Training**

011003 **Information and media, society**

011004 **Technology, Society and Employment**

011005 **Infrastructures for social sciences and humanities**

011006 **Citizens participation**

011007 **Foresight tools**

011008 **Sports and Leisure**