

The [global map of technology](#) uses an original classification of technology that distributes all inventions in 389 non-overlapping classes.

This IFRIS classification is based on the well-established WIPO hierarchical classification that distinguishes, at its finest aggregation level, 35 technological fields, these 35 fields, being grouped in 5 technological domains.

The IFRIS classification adds a finer grained level of disaggregation - i.e. below the level of technological field - of 389 technological subfields.

Technological Domains Number of priority Patents

Associated with other technologies

Source : Corporate Invention Board, Priority Patents 1986-2006

Chemistry	15,2 %	21,1 %
Electrical engineering	40,7 %	36,5 %
Instruments	15,7 %	17,4 %
Mechanical engineering	23,2 %	20,8 %
Other fields	4,1 %	3,3 %

Chemistry

Fields **Sub-fields**

Source : Corporate Invention Board

Basic materials chemistry

- Adhesives
- Cracking Hydrocarbon Oils
- Detergent Compositions
- Disinfectants
- Dyeing Of Inorganics
- Explosives
- Fatty Acids
- Fats
- Fertilisers
- Fuels
- Glue Or Gelatine
- Lubrifiant indexed
- Lubrifiant
- Materials For Miscellaneous Applications
- Modifying Combustible Gases Containing CO
- Natural Resins
- Organic Dyes

Other subjects Chemistry
Paints and inks
Polishing Compositions
Production Of Gas From Solid C-Material
Production Of Gas Coke Tar by distillation
Repellants
Wet Production Of Acetylene
Working-Up Tar
Working-Up Of Peat
Biotechnology Apparatus For Enzymology Or Microbiology
Compounds Of Unknown Constitution
Fermentation Or Enzyme-Using Processes
Measur Proc with Enzymes Or Micro-Orga
Micro-Organisms-General
Micro-Orga Enzymes Culture Media
Peptides
Use Enzymes Or Micro-Organisms To treat solid materials
Chemical engineering Bleaching
Boiling
Centrifuges
Chem and Phys Processes
Chemical Processing Of Skins Hides Or Leather
Chem Or Phys Lab Apparatus
Cleaning
Crushing and Milling
Distillation
Drying
Evaporating and extraction and separation and degaseification
Finishing Dressing Tenting Or Stretching Textile
Generating Mechanical Vibrations
Mixing
Other Separation
Phase transformation Of Gases
Plasma Technique
Regeneration of Filters
Separating Liquids and Solids
Separation of isotopes
Semi-permeable membranes
Separation apparatus and processes
Separation of solid materials
Separating Solids and Sorting
Separation
Semi-permeable membranes for separation
Separation and Filters
Spraying
Treating Textile

Environmental technology Absorbing noise from roads

Combustion Products
Filtering Gases
Fire-Fighting
Furnaces
Gas-Flow Silencers
Gathering of Domestic Refuse
Measuring Nuclear Or X-Radiation
Other Separating
Pretreatment of gases
Protection against Fire and Chemicals
Separating by Liquids
Separating Gases
Separation of gases
Separating Combination
Solid Waste and Contaminated Soils
Treatment of gases
Water Treatment

Food chemistry Alcoholic Beverages

Brewing Of Beer
Chocolate
Coffee and Tea
Dairy Products
Edible Oils
Extraction Of Sugar
Fermented Solutions
Fodder
New Plants
Other Foods
Preseving food
Proteins for Food
Sugar
Sugar Juices
Synthesis Of Sugars
Treatment of Alcoholic Beverages
Treatment of Dough
Vinegar

Macromolecular chemistry, polymers Synthesis Of Macromol Comp

Derivatives Of Natural Macromolecules
Inorg Or Non-Macromol Organ Subst
Macromol with C-to-C Unsaturated Bonds
Macromol withouth C-to-C Unsaturated Bonds
Polysaccharides
Treatment Of Rubbers

Materials, metallurgy Casting and Powder Metallurgy

Glasses

Inorganic Chem

Metallurgy

Metallurgy of Iron

Refractories

Micro-structural and nanotechnology Micro-Technology

Nano-Technology

Organic fine chemistry Acyclic or Carbocyclic Comp

Cosmetic Preparations

Combinatorial Chemistry

Compounds with Elts Other Than C H Halogen O N S Se or Te

Heterocyclic Compounds

Organic Chemistry

Steroids

Sugars Nucleotides

Use of Cosmetics

Pharmaceuticals Medical Preparations

Therap Activ Of Chem Comp

Surface technology, coating Apparatus For Applying Liquids

Coating Metallic Material

Crystal Growth

Electrolytic Or Electrophoretic Processes

Layered Products

Liquid Application Processes

Electrical engineering

Fields

Sub-fields

Source : Corporate Invention Board

Audio-visual technology Arrangements For Control

Details of colour television systems

Details of TV syst

Diagnosis for television systems

Displaying Advertising

Info Storage Based Record Carrier

Loudspeakers Microphones

Pictorial Communication

Printed Circuits

Scanning details of television

Stereophonic Systems

Stereoscopic television systems

Stereoscopic colour television systems

Basic communication processes Basic Electronic Circuitry
Computer technology Mechanic Digital Comput
Speech Anal. Or Synth.
Static Stores
Digital communication Transmission Of Digital Inf
Electrical machinery, apparatus, energy Integrated
Cables with Special Electric Properties
Capacitors
Discharge Lamps
Electricity Boards
Electric Switches
Electrical Device stopping human beings
Electric Heating
Elect-Conductive Connections
Electric Incandescent Lamps
Lighting
Magnets
Other subjects electricity
Resistors
Spark Gaps
Static Electricity
IT methods for management Data Processing Systems
Semiconductors Semiconductor Devices
Telecommunications Aerials
Broadcas Communication
Colour television systems
Multiplex Communication
Secret Communication
Selecting (Switches/Relays)
Telephonic Comm
Television systems
Transmission Systems
Transmission
Transmission or repro of doc
Waveguides
Wireless Communication

Instruments

Fields

Sub-fields

Source : Corporate Invention Board

Analysis of biological materials Analysis by Chem/Phys Prop

Control Checking Devices

Ciphering Apparatus
Control Systems in General
Educational Or Demonstration Appliances
Railway Or Like Time Or Fare Tables
Regulating Electric Variables
Regulating Non Electric Variables
Signalling Systems
Traffic Control Systems

Measurement Chem Physical Analyses

Details Of Instruments
Geophysics
Horology
Measuring Electric Variables
Meteorology
Measuring Distances Levels
Measuring Vibrations
Measuring Speed Acceleration
Measuring Volume Flow
Measuring Temperature
Measuring Force Stress Torque Work
Measuring Length Thickness
Multivariable Measuring
Optical Measurements
Other subjects nucleonics
Radio Direction-Finding
Testing Structures
Weighing

Medical technology Blood Vessel Filters

Devices for Introducing Media in Body
Dentistry
Electrotherapy
Furniture for Patients
Methods For Sterilising
Medical Containers
Surgery-Diagnosis
Therapy Apparatus
Veterinary
X-Ray Technique

Optics Apparatus For Processing Exposed Photographic Materials

Devices Using Stimulated Emission
Holography
Optical Elements Systems
Photographic Processes
Photomechanics of Surfaces

Photomecha Prod Of Surfaces
Photograph Apparatus

Mechanical engineering

Fields **Sub-fields**

Source : Corporate Invention Board

Engines, pumps, turbines Comb Engines In Gen
Cooling Of Machines Or Engines
Cyclic Machines Or Engines
Generating Combustion Products Of High P Or High V
Lubricating Of Machines Or Engines
Machines Or Engines for - Displacement
Machines Or Engines for + Displacement
Mach For Liquids Pumps Piston
Nuclear Eng.
Other subjects Engines and Pumps
Piston Machines Or Engines
Propulsive Mach Or Eng For Liquids or Wind
Steam Engine Plants
Handling Containers for Storage
Handling Thin Material
Labelling Machines
Lifting
Manipulators
Opening Bottles
Packaging Machines
Transport of Storage Devices
Machine tools Cutting
Grinding and Polishing
Handles For Hand Implements
Machine Tools
Mechanical Metal-Working
Multi-Purpose Tools
Nailing Or Stapling Tools
Other Hand-Held Cutting Tools
Percussive Tools
Perforating
Presses
Tools Or Benches
Workshop Equipment

Working Wood

Mechanical elements Engineering Elts or Units

Fluid Pressure Actuator

Mechanical Control Systems

Storing Distributing Non Solids

Other special machines Ammunitions Blasting

Baking

Cutting of Sugar

Dough

Evaporation Apparatus

Harvested Produce

Harvesting

Horticulture

Husbandry

Manufacturing or Shaping

Other Micro and Nano Technology

Pitching Machines

Planting

Preparing Grain and Fruit

Processes Of Compounding

Process of Harvests

Prod of Dairy Products

Shoeing Of Animals

Soil Working

Sugar Production

Treatment of Meat

Traps for animals

Weapons

Working of Plastics

Working Of Foodstuffs

Working Cement or Stone

Textile and paper machines Weaving

Crimping of Threads or Fibers

Decorating Textiles

Dyeing Or Printing Textiles

Knitting

Marking Inspecting Seaming Or Severing Textile

Making Nets

Methods for Clothes

Mechanical Processing Of Skins Hides Or Leather

Mechanical Or Pressure Cleaning of Textile

Other Subjects textiles and papers

Other Treatments

Paper Making

Pleating Kiltering Or Goffering Textile

Production of Brushes

Printing
Repairing Footwear
Sewing
Shedding Mechanisms
Textile Fabrics
Threads or Fibers
Working Paper
Thermal processes and Apparatus
Burners
Combustion Apparatus Using Solid Fuel
Combustion Apparatus Using Fluent Fuel
Controlling Combustion
Combustion Chambers
Dom Stoves For Solid Fuels
Extinguishing Devices
Feeding Fuel To Combustion Apparatus
Furnaces ovens
Grates
Heat Exchange
Ice
Refrigeration Systems
Steam generation
Transport Aircraft
Auxilaries on Vessel
Land Vehicles
Launching of Vessels
Marine Propulsion
Railways
Ships
Vehicles
Weapons on Vessels

Other fields

Fields **Sub-fields**

Source : Corporate Invention Board

Civil engineering Bridges
Building
Draining of roads
Earth Or Rock Drilling
Hydraulic Eng Found Soil-Shifting

Landing for helicopters
Locking Safing
Openings in Building Ladder
Other Subjects Building
Permanent ways
Platforms or refuge islands
Protection again snow or sand drifts
Road signs or traffic signals
Sensitive and restricitng and safety in roads
Street Land Cleaning
Surfaces for roads and sport grounds
Water supply sewerage
Furniture, games Furniture and Dom Equipt
Sports and Games
Other consumer goods Aids For Music
Automatic Musical Instruments
Bookbinding
Brushes
Corsets
Cooling Or Freezing Apparatus
Decorative Arts
Electrophonic Musical Instruments
Fasteners and Braselets
Footwear
Hand or Travelling Articles
Headwear
Laces
Laundering
Methods For Life-Saving
Musical Instruments
Organs Harmoniums
Outerwear
Other Life saving and Amusement
Pianos
Rope non electric cable
Saddlery and Upholstery
Shirts
Sound-Producing Devices
Suspenders
Tobacco
Trimmings
Wall Floor Covering
Wigs
Writing Implements

