

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
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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, and energy Batteries, energized
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 Kitting 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

