

G5 Type of Patents [formerly F15]

The groupings of patent type are defined in accordance with the international patent classification as follows:

Code	Descriptions
	A. Human Necessities
	<i>Agriculture</i>
A01	Agriculture; forestry; animal husbandry; hunting; trapping; fishing
	<i>Foodstuffs; tobacco</i>
A21	Baking; edible doughs
A22	Butchering; meat treatment; processing poultry or fish
A23	Foods or Foodstuffs; their treatment, not covered by other classes
A24	Tobacco; cigars; cigarettes; smokers' requisites
	<i>Personal or Domestic Articles</i>
A41	Wearing apparel
A42	Headwear
A43	Footwear
A44	Haberdashery; jewellery
A45	Hand or traveling articles
A46	Brushware
A47	Furniture; domestic articles or appliances; coffee mills; spice mills; suction cleaners in general
	<i>Health; Life-saving, Amusement</i>
A61	Medical or veterinary science; hygiene
A62	Life-saving; fire-fighting
A63	Sports; games; amusements
	B. Performing Operations; Transporting
	<i>Separating; mixing</i>
B01	Physical or chemical processes or apparatus in general
B02	Crushing, pulverising, or disintegrating; preparatory treatment of grain for milling
B03	Separation of solid materials using liquids or using pneumatic tables or jigs; magnetic or electrostatic separation of solid materials from solid materials or fluids; separation by high-voltage electric fields
B04	Centrifugal apparatus or machines for carrying-out physical or chemical processes
B05	Spraying or atomising in general; applying liquids or other fluent materials to surfaces, in general
B06	Generating or transmitting mechanical vibrations in general
B07	Separating solids from solids; sorting
B08	Cleaning
B09	Disposal of solid waste; reclamation of contaminated soil
	<i>Shaping</i>
B21	Mechanical metal-working without essentially removing material; punching metal
B22	Casting; powder metallurgy
B23	Machine tools; metal-working not otherwise provided for
B24	Grinding; polishing
B25	Hand tools; portable power-driven tools; handles for hand implements; workshop equipment; manipulators

G5 Type of Patents [formerly F15] (Cont'd)

Code	Descriptions
B26	Hand cutting tools; cutting; severing
B27	Working or preserving wood or similar material; nailing or stapling machines in general
B28	Working cement, clay, or stone
B29	Working of plastics; working of substances in a plastic state in general
B30	Presses
B31	Making paper articles; working paper
B32	Layered products
	<i>Printing</i>
B41	Printing; lining machines; typewriters; stamps
B42	Bookbinding; albums; files; special printed matter
B43	Writing or drawing implements; bureau accessories
B44	Decorative arts
	<i>Transporting</i>
B60	Vehicles in general
B61	Railways
B62	Land vehicles for travelling otherwise than on rails
B63	Ships or other waterborne vessels; related equipment
B64	Aircraft; aviation; cosmonautics
B65	Conveying; packing; storing; handling thin or filamentary material
B66	Hoisting; lifting; hauling
B67	Opening or closing bottles, jars or similar containers; liquid handling
B68	Saddlery; upholstery
	<i>Micro-structural technology; nano-technology</i>
B81	Micro-structural technology
B82	Nano-technology
	C. Chemistry; Metallurgy
	<i>Chemistry</i>
C01	Inorganic chemistry
C02	Treatment of water, waste water, sewage, or sludge
C03	Glass; mineral or slag wool
C04	Cements; concrete; artificial stone; ceramics; refractories
C05	Fertilisers; manufacture thereof
C06	Explosives; matches
C07	Organic chemistry
C08	Organic macromolecular compounds; their preparation or chemical working-up; compositions based thereon
C09	Dyes; paints; polishes; natural resins; adhesives; miscellaneous compositions; miscellaneous applications of materials
C10	Petroleum, gas or coke industries; technical gases containing carbon monoxide; fuels; lubricants; peat
C11	Animal or vegetable oils, fats, fatty substances or waxes; fatty acids therefrom; detergents; candles
C12	Biochemistry; beer; spirits; wine; vinegar; microbiology; enzymology; mutation or genetic engineering
C13	Sugar industry
C14	Skins; hides; pelts; leather

G5 Type of Patents [formerly F15] (Cont'd)

Code	Descriptions
	<i>Metallurgy</i>
C21	Metallurgy of iron
C22	Metallurgy; ferrous or non-ferrous alloys; treatment of alloys or non-ferrous metals
C23	Coating metallic material; coating material with metallic material; chemical surface treatment; diffusion treatment of metallic material; coating by vacuum evaporation, by sputtering, by ion implantation or by chemical vapour deposition, in general; inhibiting corrosion of metallic material or incrustation in general
C25	Electrolytic or electrophoretic processes; apparatus therefor
C30	Crystal growth
	<i>Combinatorial Technology</i>
C40	Combinatorial Technology
	D. Textiles; Paper
	<i>Textiles or flexible materials not otherwise provided for</i>
D01	Natural or artificial threads or fibres; spinning
D02	Yarns; mechanical finishing of yarns or ropes; warping or beaming
D03	Weaving
D04	Braiding; lace-making; knitting; trimmings; non-woven fabrics
D05	Sewing; embroidering; tufting
D06	Treatment of textiles or the like; laundering; flexible materials not otherwise provided for
D07	Ropes; cables other than electric
	<i>Paper</i>
D21	Paper-making; Production of cellulose
	E. Fixed Constructions
	<i>Building</i>
E01	Construction of roads, railways, or bridges
E02	Hydraulic engineering; foundations; soil-shifting
E03	Water supply; sewerage
E04	Building
E05	Locks; keys; window or door fittings; safes
E06	Doors, windows, shutters, or roller blinds, in general; ladders
	<i>Earth or rock drilling; mining</i>
E21	Earth or rock drilling; mining
	F. Mechanical Engineering; Lighting; Heating; Weapons; Blasting
	<i>Engines or pumps</i>
F01	Machines or engines in general; engine plants in general; steam engines
F02	Combustion engines; hot-gas or combustion-product engine plants
F03	Machines or engines for liquids; wind, spring, weight, or miscellaneous motors; producing mechanical power or a reactive propulsive thrust, not otherwise provided for
F04	Positive-displacement machines for liquids; pumps for liquids or elastic fluids
	<i>Engineering in General</i>
F15	Fluid-pressure actuators; hydraulics or pneumatics in general
F16	Engineering elements or units; general measures for producing and maintaining effective functioning of machines or installations; thermal insulation in general

G5 Type of Patents [formerly F15] (Cont'd)

Code	Descriptions
F17	Storing or distributing gases or liquids
	<i>Lighting; heating</i>
F21	Lighting
F22	Steam generation
F23	Combustion apparatus; combustion processes
F24	Heating; ranges; ventilating
F25	Refrigeration or cooling; combined heating and refrigeration systems; heat pump systems; manufacture or storage of ice; liquefaction or solidification of gases
F26	Drying
F27	Furnaces; kilns; ovens; retorts
F28	Heat exchange in general
	Weapons; Blasting
F41	Weapons
F42	Ammunition; blasting
	G. Physics
	Instruments
G01	Measuring; testing
G02	Optics
G03	Photography; cinematography; analogous techniques using waves other than optical waves; electrography; holography
G04	Horology
G05	Controlling; regulating
G06	Computing; calculating; counting
G07	Checking-devices
G08	Signalling
G09	Education; cryptography; display; advertising; seals
G10	Musical instruments; acoustics
G11	Information storage
G12	Instrument details
	Nucleonics
G21	Nuclear physics; nuclear engineering
	H. Electricity
H01	Basic electric elements
H02	Generation, conversion, or distribution of electric power
H03	Basic electronic circuitry
H04	Electric communication technique
H05	Electric techniques not otherwise provided for

G6 Patents Granted [formerly F16]

Patents granted refer to the patent granted by a patent office to the reporting institution within the specified reporting period. It does not cover the patents filed for application and patents held in previous years. (same definition as code 51 Patents granted under Table 7 on page VI-8 in Chapter VI – Research Tables)