

Proposed code or area of interest	Action	Name	Description
Section A PLASDOC			
A12 Polymer Applications			
A12-B01V	New	Other condensation polymers coating	
A12-V03B1	New	Birth control devices	
Section B FARMDOC			
B04 Natural Products (or Genetically Engineered), Polymers			
B04-A09K	New	Fruit	
B04-A10K	New	Fruit extract	
B04-E07E	New	Small hairpin RNA	
B04-F04A	New	Red blood cells	
B04-F04B	New	White blood cells (general)	This code is used when non-specific white blood cells are mentioned or when three or more white blood cell types are mentioned.
B04-F04B1	New	Lymphocytes	
B04-F04B1A	New	T-lymphocytes	
B04-F04B1B	New	B-lymphocytes	
B04-F04B2	New	Other white blood cells	
B04-F04B2A	New	Dendritic cells	
B04-F04B2B	New	Macrophages	
B04-F04B2C	New	Neutrophil	
B04-F04B2D	New	Others	
B04-F07E	New	Avian cell	
B04-F07E0E	New	Transgenic avian cell	
B04-G11	New	Antibody binding to another antibody	
B04-G23	New	Antibody fragments	
B04-G24	New	Bispecific antibodies	
B04-H02Q	New	Interleukins 14-20	
B04-H02R	New	Interleukins 21-25	
B04-H02S	New	Interleukins 26-30	
B04-H02T	New	Interleukins 31-35	
B04-H06M	New	Vascular endothelial growth factor	
B04-N03C	New	Bacterial protein/polypeptide with complete amino acid sequence	
B04-N03D	New	Bacterial protein/polypeptide with fragments of amino acid sequence	
B04-N03E	New	Viral protein/polypeptide with complete amino acid sequence	
B04-N03F	New	Viral protein/polypeptide with fragments of amino acid sequence	
B04-N03G	New	Fungal protein/polypeptide with complete amino acid sequence	
B04-N03H	New	Fungal protein/polypeptide with fragments of amino acid sequence	
B04-N13	New	Signalling pathway proteins	
B06 Hetrocyclic Fused Ring			
B06-A03A	New	Taxanes	
B10 Aromatics and Cycloaliphatics			
B10-C04E	New	General acyclic monocarboxylic acid	
B10-C04E1	New	Substituted acyclic monocarboxylic acid	
B10-C04E2	New	Polyunsaturated fatty acid	
B10-C04E3	New	Monounsaturated fatty acid	
B10-C04E4	New	Other unsaturated monocarboxylic acid	
B10-C04E5	New	Saturated fatty acid	
B10-C04E6	New	Other saturated monocarboxylic acid	
B11 Processes, Apparatus			
B11-A01A	New	Using bacteria	
B11-A01B	New	Using viruses	
B11-A01C	New	Using fungi	
B11-A02A	New	Using oxidoreductases general	
B11-A02A1	New	Using oxidases	
B11-A02A2	New	Using peroxidases	
B11-A02A3	New	Using oxygenases	
B11-A02A4	New	Using dehydrogenases, reductases	
B11-A02A5	New	Using lipoygenases	
B11-A02B	New	Using transferases general	
B11-A02B1	New	Using DNA/RNA polymerases	
B11-A02B2	New	Using reverse transcriptases	
B11-A02B3	New	Using kinases	
B11-A02C	New	Using hydrolases general	
B11-A02C1	New	Using esterases	
B11-A02C2	New	Using glycosidases	
B11-A02C3	New	Using proteases/peptide hydrolases	
B11-A02D	New	Using lyases	
B11-A02E	New	Using isomerases	
B11-A02F	New	Using ligases	
B11-B01	New	Separation of stereoisomers by a biological method	
B11-B02	New	Separation of stereoisomers by other method	
B11-B03	New	Other separations	
B11-B04	New	Removal processes	
B11-C01C1	New	Stereo-specific reactions	
B11-C01C2	New	Stereo-selective reactions	
B11-C01D	New	Stereochemistry	
B11-C02C	New	Syngic components	
B11-C02D	New	Syringe disposal apparatus	
B11-C04A1	New	Stent	
B11-C04B	New	Cannula	
B11-C09A	New	Processes	
B11-C09B	New	Apparatus	
B12 Diagnosis and Formulation Types			
B12-K04A7	New	Detection of parasites, including protozoa and helminths	

B12-M02G	New	Gels/hydrogels	
B12-M11H1	New	Special amorphous form	
B12-M11N	New	Microparticle	
B12-M11P	New	Lyophilized form	
B12-M12Q	New	Intranasal	
B12-M19	New	Gene delivery methods	
B12-M19A	New	Gene delivery by viral methods	
B12-M19B	New	Gene delivery by non-viral methods	
B12-Q01	New	Pharmacogenomics	
B12-Q01A	New	Pharmacogenomics General	
B14 Pharmaceutical Activities			
B14-A01B5	New	Bacillus	
B14-H01D1	New	Breast cancers	
B14-H01D2	New	Thyroid cancers	
B14-H01E1	New	Colon cancers	
B14-H01E2	New	Oesophageal cancers	
B14-H01E3	New	Gall bladder cancers	
B14-H01E4	New	Intestinal cancers	
B14-H01E5	New	Hepatic cancers	
B14-H01E6	New	Pancreatic cancers	
B14-H01E7	New	Rectal cancers	
B14-H01E8	New	Stomach cancers	
B14-H01F1	New	Cervical/uterine cancers	
B14-H01F2	New	Kidney cancers	
B14-H01F3	New	Ovarian cancers	
B14-H01F4	New	Prostate cancers	
B14-H01F5	New	Testicular cancers	
B14-H01F6	New	Bladder cancers	
B14-H01G1	New	Hodgkin's lymphoma	
B14-H01G2	New	Non-Hodgkin's lymphoma	
B14-H01H1	New	Osteo cancers	
B14-H01H2	New	Sarcoma	
B14-H01J1	New	Brain tumours	
B14-H01K1	New	Buccal cavity and pharynx cancers	
B14-H01K2	New	Larynx cancers	
B14-H01K3	New	Lung cancers	
B14-H01L1	New	Multiple myelomas	
B14-H05	New	Antiproliferative (non-cancerous)	e.g. Hyperplasia.
B14-L01B	New	Cannabinoid receptor agonist	
B14-L01C	New	PPAR agonist	Peroxisome proliferator-activated agonist.
B14-L06B	New	Cannabinoid receptor agonist	
B14-L06C	New	PPAR antagonist	Peroxisome proliferator-activated antagonist.
B14-L12	New	Proton pump inhibitors	
B14-M02	New	Pharmaceutical antidote general	
B14-M02A	New	Chemoprotectant	
B14-M02B	New	Radioprotectant	
B14-P04	New	Sexual dysfunction	
B14-P04A	New	Male sexual dysfunction	
B14-P04B	New	Female sexual dysfunction	
B14-S18	New	Drug combination	Used when specific combinations of drugs are claimed.
B14-S20	New	Genetic disorder	
B14-S20A	New	Chromosomal abnormality disorder	
B14-S21	New	Cell therapy	
B14-Y	New	Green Chemistry	

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Section C AGDOC			
C04 Natural Products (or Genetically Engineered), Polymers			
C04-A09K	New	Fruit	
C04-A10K	New	Fruit extract	
C04-E07E	New	Small hairpin RNA	
C04-F04A	New	Red blood cells	
C04-F04B	New	White blood cells (general)	
C04-F04B1	New	Lymphocytes	
C04-F04B1A	New	T-lymphocytes	
C04-F04B1B	New	B-lymphocytes	
C04-F04B2	New	Other white blood cells	
C04-F04B2A	New	Dendritic cells	
C04-F04B2B	New	Macrophages	
C04-F04B2C	New	Neutrophil	
C04-F04B2D	New	Others	
C04-F07E	New	Avian cell	
C04-F07E0E	New	Transgenic avian cell	
C04-G11	New	Antibody binding to another antibody	
C04-G23	New	Antibody fragments	
C04-G24	New	Bispecific antibodies	
C04-H02Q	New	Interleukins 14-20	
C04-H02R	New	Interleukins 21-25	
C04-H02S	New	Interleukins 26-30	
C04-H02T	New	Interleukins 31-35	
C04-H06M	New	Vascular endothelial growth factor	
C04-N03C	New	Bacterial protein/polypeptide with complete amino acid sequence	
C04-N03D	New	Bacterial protein/polypeptide with fragments of amino acid sequence	
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C04-N03F	New	Viral protein/polypeptide with fragments of amino acid sequence	
C04-N03G	New	Fungal protein/polypeptide with complete amino acid sequence	
C04-N03H	New	Fungal protein/polypeptide with fragments of amino acid sequence	
C04-N13	New	Signalling pathway proteins	
C06 Heterocyclic Fused Ring			
C06-A03A	New	Taxanes	
C10 Aromatics and Cycloaliphatics			
C10-C04E	New	General acyclic monocarboxylic acid	
C10-C04E1	New	Substituted acyclic monocarboxylic acid	
C10-C04E2	New	Polyunsaturated fatty acid	
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C11-A01A	New	Using bacteria	
C11-A01B	New	Using viruses	
C11-A01C	New	Using fungi	
C11-A02A	New	Using oxidoreductases general	
C11-A02A1	New	Using oxidases	
C11-A02A2	New	Using peroxidases	
C11-A02A3	New	Using oxygenases	
C11-A02A4	New	Using dehydrogenases, reductases	
C11-A02A5	New	Using lipoygenases	
C11-A02B	New	Using transferases general	
C11-A02B1	New	Using DNA/RNA polymerases	
C11-A02B2	New	Using reverse transcriptases	
C11-A02B3	New	Using kinases	
C11-A02C	New	Using hydrolases general	
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C11-A02C2	New	Using glycosidases	
C11-A02C3	New	Using proteases/peptide hydrolases	
C11-A02D	New	Using lyases	
C11-A02E	New	Using isomerases	
C11-A02F	New	Using ligases	
C11-B01	New	Separation of stereoisomers by a biological method	
C11-B02	New	Separation of stereoisomers by other method	
C11-B03	New	Other separations	
C11-B04	New	Removal processes	
C11-C01C1	New	Stereo-specific reactions	
C11-C01C2	New	Stereo-selective reactions	
C11-C01D	New	Stereochemistry	
C11-C02C	New	Syngene components	
C11-C02D	New	Syringe disposal apparatus	
C11-C04A1	New	Stent	
C11-C04B	New	Cannula	
C11-C09A	New	Processes	
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C12 Diagnosis and Formulation Types			
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C12-M02G	New	Gels/hydrogels	
C12-M11H1	New	Special amorphous form	
C12-M11N	New	Microparticle	
C12-M11P	New	Lyophilized form	
C12-M12Q	New	Intranasal	
C12-M19	New	Gene delivery methods	
C12-M19A	New	Gene delivery by viral methods	
C12-M19B	New	Gene delivery by non-viral methods	

C12-Q01	New	Pharmacogenomics	
C12-Q01A	New	Pharmacogenomics General	

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C14 Agricultural Activities			
C14-A01B5	New	Bacillus	
C14-C04B2	New	Dictyoptera	
C14-H01D1	New	Breast cancers	
C14-H01D2	New	Thyroid cancers	
C14-H01E1	New	Colon cancers	
C14-H01E2	New	Oesophageal cancers	
C14-H01E3	New	Gall bladder cancers	
C14-H01E4	New	Intestinal cancers	
C14-H01E5	New	Hepatic cancers	
C14-H01E6	New	Pancreatic cancers	
C14-H01E7	New	Rectal cancers	
C14-H01E8	New	Stomach cancers	
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C14-H01F2	New	Kidney cancers	
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C14-H01F4	New	Prostate cancers	
C14-H01F5	New	Testicular cancers	
C14-H01F6	New	Bladder cancers	
C14-H01G1	New	Hodgkin's lymphoma	
C14-H01G2	New	Non-Hodgkin's lymphoma	
C14-H01H1	New	Osteo cancers	
C14-H01H2	New	Sarcoma	
C14-H01J1	New	Brain tumours	
C14-H01K1	New	Buccal cavity and pharynx cancers	
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C14-H01K3	New	Lung cancers	
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C14-L12	New	Proton pump inhibitors	
C14-M02	New	Pharmaceutical antidote general	
C14-M02A	New	Chemoprotectant	
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C14-P04A	New	Male sexual dysfunction	
C14-P04B	New	Female sexual dysfunction	
C14-S18	New	Drug combination	Used when specific combinations of drugs are claimed.
C14-S20	New	Genetic disorder	
C14-S20A	New	Chromosomal abnormality disorder	
C14-S21	New	Cell therapy	
C14-U01F	New	Inducing flowering in plants	
C14-U03	New	Conferring herbicide resistance to plants	
C14-U04	New	Conferring pest resistance (e.g. fungi, insects) to plants	Conferring pest resistance (e.g. fungi, insects) to plants.
C14-U05	New	Conferring stress tolerance (e.g. drought, heat) to plants	Conferring stress tolerance (e.g. drought, heat) to plants.
C14-Y	New	Green Chemistry	
Section D Food, Fermentation, Disinfectants, Detergents			
D03 Foodstuffs and Treatment			
D03-H01T2A	New	Probiotics/Prebiotics	
D03-H01T2B	New	Others	
D03-H01T5	New	Special dietary requirement foods e.g. Diabetic, gluten free.	
D05 Fermentation Industry			
D05-H12D6A	New	Aptamer	
D05-H12D8C	New	Small hairpin RNA	

Proposed code or area of interest	Action	Name	Description
Section E CHEMDOC			
E11 Processes, Apparatus			
E11-A01	New	Cyclisation - Processes, Apparatus	
E11-A02	New	Decyclisation (Ring Opening) - Processes, Apparatus	
E11-D01	New	Hydrogenation of unsaturated C-C bonds	
E11-D02	New	Hydrogenation Other	
E11-E01	New	Oxidation with O ₂ , air	
E11-E02	New	Dehydrogenation of C-C bonds	
E11-F02A	New	Addition of CO to olefinic bonds (hydroformylation):	
E11-F02B	New	Other Addition reactions of CO(2)	
E11-F07C	New	Ammonia-Oxidation, Ammoxidation	
E11-G04	New	De(hydro)halogenation	
E11-H02	New	Olefin Metathesis	
E11-J01	New	Isomerisation	
E11-J02	New	Racemisation	
E31 Non-metallic Elements, Metalloids and Compounds			
E31-U01	New	Nanoparticles	
E31-U02	New	Nanotubes, nanorods, nanowhiskers	
E31-U03	New	Nanofilms	
E33 Alkali Metal Compounds			
E33-S	New	General Na/K salt	
E34 Compounds of Be, Mg, Al, Ca, Sr, Ba, Ra, Th, Rare Earth			
E34-E01	New	Sc, Y, La	
E34-E02	New	Lanthanides gen	
E34-E02A	New	Ce	
E34-E02B	New	Other lanthanides	
E34-E03	New	Ra, Th.	
E35 Compounds of Other Metals			
E35-C01	New	Zinc (hydr)oxide production	
E35-C02	New	Zinc (hydr)oxide use	
E35-C03	New	Zinc halide, sulfate	
E35-C04	New	other Zn compound	
Section G Printing, Coating, Photographic			
G02 Coatings, Paints, Inks, Natural Resins, Polishes			
G02-A07	New	Shape and form of coatings	
G02-A07A	New	Powder coatings	
G02-A07A1	New	Powder coatings in slurry form	
Section H Petroleum			
H01 Crude Oil and Natural Gas			
H01-A01A	New	Seismic surveying	For exploration prior to well drilling. For well logging see H01-A02
H01-B03C5	New	Drill and casing protectors, Centralisers	
H03 Transportation and Storage			
H03-B04	New	Repairing pipelines	
H03-X02	New	Testing	e.g. testing and monitoring in storage applications, such as level of stored component, tank leakage
H06 Gaseous and Liquid Fuels			
H06-B09	New	Emulsion fuels	
H06-C01B	New	Non-Catalytic	
H06-C03C	New	Sulfur oxides	
H06-X	New	Other fuel aspects	
H06-X01	New	Treatment of fuels	e.g. magnetic treatment, plasma, microwave or UV irradiation etc.
H07 Lubricants and Lubrication			
H07-G10	New	Biocidal	
H07-L	New	Lubricant production	
H09 Fuels not of Petroleum Origin			
H09-H03	New	Coal additives	

Proposed code or area of interest	Action	Name	Description
Section J Chemical Engineering			
J01 Separation			
J01-E01A	New	Dehumidification	
J01-E01B	New	Deodorization	
J01-E02B1	New	Molecular sieves	
J01-E02B2	New	Metal-organic frameworks	
J01-E02H4	New	By combustion	
J01-E02H5	New	Using ozone	
J01-E03C1	New	Molecular sieves	
J01-E03C2	New	Metal-organic frameworks	
J01-F02X	New	For filtration of specific substances	May be used with other J01-F codes if specific method is claimed
J01-F02X1	New	Water	Consider D15
J01-F02X2	New	Blood	
J01-F02X3	New	Oil	
J01-F02X4	New	Fuel	
J01-G03C	New	For air inflow	e.g. vehicle air intake, clean room
J01-G06	New	Wet scrubbing	Only for removal of particulates from gas, otherwise consider J01-E02A
J01-G09	New	Other methods	
J02 Mixing, Crushing, Spraying			
J02-A03B	New	Apparatus	
J02-A03C	New	Agents	
J03 Electrochemical, Processes, Electrophoresis			
J03-A01	New	For ozone generation	
J04-A07	New	Powder coatings	For general coatings, Consider M13-H if formed on metal, or L02-J03 if involving ceramic
J04 Chemical/Physical Processing Apparatus			
J04-B01A1	New	Mass spectrometry	
J04-B01A2	New	Optical spectroscopy	
J04-B01B2	New	For alcohol	
J04-B01C5A	New	GC-MS	
J04-B04	New	Micro analysis	Includes microfluidic analysis. May be used with other J04-B codes, and S03 codes likely
J04-C02C	New	Optical properties	e.g. absorption, fluorescence
J04-E04D	New	Electrocatalyst	e.g. for electrode catalysts, for use in electrolyzer, fuel cell etc.
J04-E09B	New	For sensor applications	
J04-E09C	New	Photocatalytic apparatus	See J04-E04C for photocatalysts per se
J04-E10	New	Testing of catalysts and devices	
J04-F	New	Microscalar processes	Includes microprocesses, production of nanoparticles etc.
J04-F01	New	Microprocesses	See J04-X04 for microreactors
J04-F02	New	Nanostructure production	See L02-H04 if carbon is involved
J04-F02A	New	Nanoparticles	
J04-F02A1	New	Composite particles	Includes coated particles
J04-F02B	New	Other regular forms	e.g. Nanotubes, nanorods, nanowhiskers
J04-F02C	New	Nanofilms	
J04-X03A	New	Fluidised bed apparatus	
J06 Storing/ Distributing Gases/ Liquids			
J06-B06C	New	Gas adsorbents	
J06-B06C1	New	Molecular sieves	
J06-B06C2	New	Metal-organic frameworks	
J09 Furnaces, Kilns, Ovens, Retorts			
J09-C01A	New	Recycling of waste	
J09-C01B	New	Fermentation of waste	e.g. for compost. Consider H09-F code if fermentation for fuel, and D05 for details
Section K Nucleonics, Explosives, Protection			
K02 Protection, Breathing Apparatus			
K02-A04	New	Detection and analysis of NBC agents	Consider J04 and S03 codes for detection techniques
K03 Explosive Charges and Blasting			
K03-A02A	New	Lethal projectiles	e.g. bullets, missiles,
K03-A02B	New	Non-lethal projectiles	e.g. plastic baton rounds, tranquilizer delivery systems, paintballs, immobilising weapons
K03-A04	New	Decommissioning of ammunition	Consider K04-F02 if explosives materials are involved
K04 Explosives, Matches			
K04-C02	New	Gas generators	e.g. for automotive air bags
K05 Nuclear Reactors			
K05-B07J	New	Inspection apparatus	For inspection and testing of reactor components. See X14-C02
K08 Nucleonics, X-Ray Techniques, etc.			
K08-X01	New	Isotope separation	See J01-J

Proposed code or area of interest	Action	Name	Description
Section L Glass, Ceramics, Electro(in)organics			
L01 Glass, Vitreous Enamels			
L01-B02	New	Reuse/recycling of glass	
L02 Refractories, Ceramics, Cement			
L02-G01B1	New	Metal silicates	
L02-G01C1	New	Yttria	
L02-G01C2	New	Ceria	
L02-G01E	New	Titania	Includes titanates
L02-G01F	New	Zinc oxides	
L02-G01M	New	Mixed metal oxides	Includes metallates
L02-G01M1	New	Metal titanates+B65	
L02-G01X	New	Other inorganic oxides	
L02-G12A	New	Titania	Includes titanates
L02-G12B	New	Zirconia	Includes zirconates
L02-G12C	New	Zinc oxides	
L02-G12D	New	Rare earth oxides	
L02-G12D1	New	Yttria	
L02-G12D2	New	Ceria	
L02-G12E	New	Silica	
L02-G12E1	New	Metal silicates	
L02-G12M	New	Mixed metal oxides	Includes metallates
L02-G12M1	New	Metal titanates+B65	
L02-G12X	New	Other inorganic oxides	
L02-J03	New	Powder coatings	May be used with other L02-J codes, and consider M13-H
L03 Electro(in)organics			
L03-B03H	New	Capacitor electrolytes	e.g. solid or liquid
L03-E04B1	New	Catalyst electrodes	See also J04-E4D
L03-E04H	New	Production of fuel cell components	
L03-E04H1	New	Production of fuel cell separators	
L03-E04H2	New	Production of fuel cell electrodes	
L03-E04I	New	Hydrogen generation	
L03-E08	New	Production of battery components	
L03-E08A	New	Production of separators	
L03-E08B	New	Production of electrodes	
L03-E08C	New	Production of other components	e.g. cases, terminals and seals
L03-E09	New	Recharging batteries	e.g. processes or apparatus for recharging. Only if sufficient chemical interest. See X16-G
L03-H04H3	New	Production of other components	
L04 Semiconductors			
L04-C12C1	New	Semiconductor on insulator (SOI)	
L04-C12C2	New	Trench isolation (e.g. STI)	
L04-C12C3	New	LOCOS	
L04-C12G	New	Resistors	
L04-X04	New	Clean room apparatus and processes	See J01 for details
Section M Metallurgy			
M11 Electroplating, Electrolytic treatment of or with Metals			
M11-B05A	New	For electrical components	
M13 Non-Electrolytic Coating			
M13-H04A	New	Powder coatings	Consider L02-J
M13-H05A	New	Powder coatings	
M13-M02	New	Wear resistant	Consider other M13 codes
M24 Metallurgy of Iron and Steel			
M24-D01A1	New	Rolling	
M24-D01B1	New	Rolling	
Section N Catalysts			
N02 Fe, Co, Ni, Cu, Noble Metal: Element, (Hydr)oxide, Inorganic Salt, Carboxylate			
N02-F03	New	Palladium Inorganic Salt	
N02-F04	New	Palladium Carboxylate	
N02-F05	New	Platinum Inorganic Salt	
N02-F06	New	Platinum Carboxylate	
N03 Other Metal, As: Element, (Hydr)oxide, Inorganic salt, Carboxylate			
N03-A01	New	Sc, Y, La	
N03-A02	New	Lanthanides gen	
N03-A02A	New	Ce	
N03-A02B	New	Other lanthanides	
N03-A03	New	Ra, Th.	
N03-F01	New	Zn	
N03-F02	New	Cd, Hg	
N03-G01	New	In	
N03-G02	New	Ge	
N03-G03	New	Sn	
N03-G04	New	Ga, Tl, Pb	
N03-B01A	New	Ti- element, (hydr)oxides, including titanic acids	
N07 Catalyst Applications and Uses			
N07-B01	New	Hydrogenation of unsaturated C-C bonds	
N07-C02	New	Dehydrogenation of C-C bonds	
N07-C03	New	Other Oxidation, Dehydrogenation process	
N07-D08C	New	Nitration	
N07-F05	New	Chain Expansion/Contraction	
N07-F06	New	Hydrolysis	
N07-F07	New	Cyclisation	
N07-F08	New	Decyclisation	