



CHEMICAL PATENTS INDEX (CPI) MANUAL CODES

2010 REVISION

DWPI MANUAL CODING REVISION SYSTEM



THOMSON REUTERS

Retired/Old/Current	Code	Date Range	Titles >100 chars in length (used for the STN, DII and Wila host lists)	Delphion titles (e.g. sentence format and <100 chars)	Related Items	Scope Notes	Search Terms
Section A							
Changed	A12-W14	(2007-)	NANOTECHNOLOGY	Nanotechnology		Applied when stated for polymers used in nanotechnology applications. Note: Would not normally include photoresists.	
New	A12-W15	(2010-)	CONTROLLED RELEASE	Controlled release			
New	A12-W16	(2010-)	RENEWABLE ENERGY	Renewable Energy			
Section B							
New	B01-D03	(2010-)	STEROIDS-NO STRUCTURE	Steroids-No structure	B04-J02	Non-structural steroids other than steroid hormones. Eg. Plant sterols	
New	B04-A07A1	(2010-)	VINCA ALKALLOIDS	Vinca alkaloids	B06-D18	Includes vincristine, vinblastine, vinorelbine and vindesine.	
New	B04-B01D	(2010-)	OTHER OIL AND WAX DERIVATIVES	Other oil and wax derivatives	B04-B01C	Oils and waxes that are hydrogenated and/or modified by a polymer. May be applied in conjunction with codes from B04-B01C	Hydrogenated oils/waxes, polyoxyethylated oils/waxes
Changed	B04-B04E	(1965-)	BONE, MARROW, NAILS, SKIN, TEETH	Bone, marrow, nails, skin, teeth		Includes horn extract, shell extract, hair and shell powder	Oyster shell/Shell powder
New	B04-C02BX	(2010-)	MODIFIED STARCH	Modified Starch	B04-C02B	Includes derivatives of starch such as carboxymethyl starch	
New	B04-F04B3	(2010-)	PLATELETS	Platelets			
New	B04-N15	(2010-)	CRYSTALLINE FORM	Crystalline form		Used in conjunction with other specific protein codes for protein crystals.	
New	B05-U05A	(2010-)	NANOTUBES, NANORODS OR NANOHORNS	Nanotubes, Nanorods or Nanohorns			
New	B05-U05B	(2010-)	NANOFILMS	Nanofilms			
New	B05-U05C	(2010-)	NANOSTRUCTURES OTHER THAN THOSE COVERED BY B05-U05A AND B05-U05B	Nanostructures other than those covered by B05-U05A and B05-U05B			
New	B05-V	(2008-)	METALLOCENES	Metallocenes			
New	B11-B06	(2010-)	METHOD FOR CLEANING AND/OR STERILIZATION	Method for cleaning and/or sterilization			
New	B11-C01C3	(2010-)	GEOMETRICAL ISOMER	Geometrical isomer		Used to cover cis/trans or E/Z isomers when they form novel aspect of the invention	
Changed	B11-C04	(2010-)	THERAPEUTIC DEVICE/METHOD USED ON HUMAN/ANIMAL BODY	Therapeutic device/method used on human/animal body		Includes both method and devices used for therapeutic purposes on animal or human body. This code can be applied to condoms, external splints, infra-red heat massagers etc, however such items should either contain, be coated with or be used in conjunction with drugs in order for them to be coded in B and/or C.	
New	B11-C04J	(2010-)	CEMENTS AND PUTTIES	Cements and putties		Includes bone cement etc.	
New	B11-C06C	(2010-)	PERIPHERAL DEVICES FOR THERAPEUTIC REGIMENS	Peripheral devices for therapeutic regimens		Includes stands for e.g. infusion devices, and tamper alarms etc.	
Changed	B11-C08C	(2010-)	SAMPLING DEVICE AND SAMPLING METHOD FOR TESTING	Sampling device and sampling method for testing		Includes both devices as well as method of sampling, where in the method of collecting samples if for test and detection purposes	
Changed	B12-K07	(2010-)	CONTRAST MEDIUM	Contrast medium		Includes X-ray contrast medium, MRI contrast medium	
Changed	B12-M02B	(1986-)	OINTMENT, CREAM, LOTION, LINIMENT	Ointment, cream, lotion, liniment			
Changed	B12-M11H	(1986-)	POLYMORPHIC FORM	Polymorphic form		Used when any polymorphic form is the novel feature of the invention	
New	B12-M11H2	(2010-)	CRYSTALLINE FORM	Crystalline form		Used when any crystalline form is the novel feature of the invention	
Changed	B14-S23	(2010-)	UNSPECIFIED ACTIVITY	Unspecified activity		Applied to documents when a pharmaceutical formulation/substance with pharmaceutical activity is claimed, but no specific disorders are mentioned as being treated, i.e., when no other activity codes can be applied.	
New	B14-S25	(2010-)	CHEMOTHERAPY	Chemotherapy			
New	B14-S26	(2010-)	RADIOTHERAPY	Radiotherapy			
New	B14-S27	(2010-)	PHOTON THERAPY	Photon therapy		Includes treatment using high energy photons	
Section C							
New	C01-D03	(2010-)	STEROIDS-NO STRUCTURE	Steroids-No structure	C04-J02	Non-structural steroids other than steroid hormones. Eg. Plant sterols	
New	C04-A07A1	(2010-)	VINCA ALKALLOIDS	Vinca alkaloids	C06-D18	Includes vincristine, vinblastine, vinorelbine and vindesine.	

Retired/Old/Current	Code	Date Range	Titles >100 chars in length (used for the STN, DII and Wila host lists)	Delphion titles (e.g. sentence format and <100 chars)	Related Items	Scope Notes	Search Terms
New	C04-B01D	(2010-)	OTHER OIL AND WAX DERIVATIVES	Other oil and wax derivatives	B04-B01C	Oils and waxes that are hydrogenated and/or modified by a polymer. May be applied in conjunction with codes from B04-B01C	Hydrogenated oils/waxes, polyoxyethylated oils/waxes
Changed	C04-B04E	(1965-)	BONE, MARROW, NAILS, SKIN, TEETH	Bone, marrow, nails, skin, teeth		Includes horn extract, shell extract, hair and shell powder	Oyster shell/Shell powder
New	C04-C02BX	(2010-)	MODIFIED STARCH	Modified Starch	B04-C02B	Includes derivatives of starch such as carboxymethyl starch	
New	C04-F04B3	(2010-)	PLATELETS	Platelets			
Changed	C04-H07	(1994-)	ERYTHROPOIETIN (EPO) AND THROMBOPOIETIN	Erythropoietin (epo) and Thrombopoietin	C04-B04A6, C04-B02D		
New	C04-N15	(2010-)	CRYSTALLINE FORM	Crystalline form		Used in conjunction with other specific protein codes for protein crystals.	
New	C05-U05A	(2010-)	NANOTUBES, NANORODS OR NANOHORNS	Nanotubes, Nanorods or Nanohorns			
New	C05-U05B	(2010-)	NANOFILMS	Nanofilms			
New	C05-U05C	(2010-)	NANOSTRUCTURES OTHER THAN THOSE COVERED BY C05-U05A AND C05-U05B	Nanostructures other than those covered by C05-U05A and C05-U05B			
Changed	C06-A03A	(2006-)	TAXOLS, TAXELS	Taxols, taxels		e.g. paclitaxel, docetaxel. Must contain an oxetane ring fused to the taxane skeleton	
New	C11-B06	(2010-)	METHOD FOR CLEANING AND/OR STERILIZATION	Method for cleaning and/or sterilization			
New	C11-C01C3	(2010-)	GEOMETRICAL ISOMER	Geometrical isomer		Used to cover cis/trans or E/Z isomers when they form novel aspect of the invention	
Changed	C11-C04	(2010-)	THERAPEUTIC DEVICE/METHOD USED ON HUMAN/ANIMAL BODY	Therapeutic device/ method used on human/ animal body		Includes both method and devices used for therapeutic purposes on animal or human body. This code can be applied to condoms, external splints, infra-red heat massagers etc, however such items should either contain, be coated with or be used in conjunction with drugs in order for them to be coded in B and/or C.	
New	C11-C04J	(2010-)	CEMENTS AND PUTTIES	Cements and putties		Includes bone cement etc.	
New	C11-C06C	(2010-)	PERIPHERAL DEVICES FOR THERAPEUTIC REGIMENS	Peripheral devices for therapeutic regimens		Includes stands for e.g. infusion devices, and tamper alarms etc.	
Changed	C11-C08C	(2010-)	SAMPLING DEVICE AND SAMPLING METHOD FOR TESTING	Sampling device and sampling method for testing		Includes both devices as well as method of sampling, where in the method of collecting samples if for test and detection purposes	
Changed	C12-K07		CONTRAST MEDIUM	Contrast medium		Includes X-ray contrast medium, MRI contrast medium	
Changed	C12-M02B	(1986-)	OINTMENT, CREAM, LOTION, LINIMENT	Ointment, cream, lotion, liniment			
Changed	C14-S23	(2010-)	UNSPECIFIED ACTIVITY	Unspecified activity		Applied to documents when a pharmaceutical formulation/ substance with pharmaceutical activity is claimed, but no specific disorders are mentioned as being treated, i.e., when no other activity codes can be applied.	
New	C14-S25	(2010-)	CHEMOTHERAPY	Chemotherapy			
New	C14-S26	(2010-)	RADIOTHERAPY	Radiotherapy			
New	C14-S27	(2010-)	PHOTON THERAPY	Photon therapy		Includes treatment using high energy photons	
Section D							
Changed	D05-B01	(1986-)	MALTING GRAIN	Malting grain		Malting involves soaking grains, allowing them to germinate, and then drying. Includes mash processing.	
New	D05-B01A	(2010-)	MALTING GRAINS	Malting grains		Malting involves soaking grains, allowing them to germinate, and then drying. Includes barley steeping device for malt.	
New	D05-B01B	(2010-)	MASH PROCESSING OR PREPARATION	Mash processing or preparation		Includes devices used for mash preparation.	
New	D05-C17	(2010-)	SUGAR ALCOHOLS	Sugar alcohols			
New	D05-C18	(2010-)	PIGMENTS	Pigments			
Changed	D09-C01	(2010-)	PROSTHESIS AND IMPLANTS	Prosthesis and implants			
New	D09-C01F	(2010-)	CATHETER, STENTS, IMPLANTS	Catheter, Stents, Implants	D09-C		Catheter, Stents, Implants
Section E							
New	E01-P	(2010-)	PRODUCTION OF STEROIDS	Production of Steroids	Cannot be coded in Cross-overs	Use this for all steroids	

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New	E01-U	(2010-)	USE OF STEROIDS	Use of Steroids	Cannot be coded in Cross-overs	Use this for all steroids	
New	E05-U03A	(2010-)	SINGLE WALLED	Single walled	E05-U03	Single walled Carbon nanotube	nanotube nanotubes nano-tube nano-tubes
New	E05-U03B	(2010-)	DOUBLE WALLED	Double walled	E05-U03	Double walled Carbon nanotube	nanotube nanotubes nano-tube nano-tubes
New	E05-U03C	(2010-)	> 2 MULTIPLE WALLED	> 2 multiple walled	E05-U03	More than 2 multiple walled Carbon nanotube	nanotube nanotubes nano-tube nano-tubes
New	E05-U05A	(2010-)	NANOPARTICLES /NANOPOWDER	Nanoparticles /nanopowder	E05-U05	Carbon nanoparticles or nanopowder	nanoparticle nanopowder nano-particle nano-powder nanoparticles nanopowders nano-particles nano-powders
New	E05-U05B	(2010-)	NANORODS, NANOWHISKERS	Nanorods, nanowhiskers	E05-U05	Carbon nanorods, nanowhiskers	nanorod nano-rod nanorods nano-rods nanowhisker nano-whisker nanowhiskers nano-whiskers
New	E05-U05C	(2010-)	NANOFILM	Nanofilm	E05-U05	Carbon nanofilm	nanofilm nano-film nanofilms nano-films
New	E05-U05D	(2010-)	OTHER (E.G NANOBUDS, NANOHORNS)	Other (e.g nanobuds, nanohorns)	E05-U05	Nano carbon other (e.g nanobuds, nanohorns)	nanobud nano-bud nanobuds nano-buds nanohorn nano-horn nanohorns nano-horns
New	E05-U06	(2010-)	OTHER HETEROATOM CONTAINING NANO 3-D STRUCTURES GENERAL	Other Heteroatom containing nano 3-D structures general		Code applied when a heteroatom is present in other 3 -D structures	
New	E05-W	(2010-)	GENERAL ORGANOMETALLIC COMPLEX	General Organometallic complex		Can be applied for covering OMC when the metal is not specified not for (includes more than 5 General metal codes. For e.g. E05 L, M, N, J and P.)only to be applied when metal is unspecified.	General OMC
New	E10-C02C1A	(2010-)	DI-CA WITH AROMATIC RING, PRODUCTION(MODIFIED VERSION)	Di-CA with aromatic ring, production(modified version)	E10-C02C1		
New	E10-C02C1B	(2010-)	DI-CA WITH CYCLOALIPHATIC RING, PRODUCTION (MODIFIED VERSION)	Di-CA with cycloaliphatic ring, production (modified version)	E10-C02C2		
New	E10-C02C2A	(2010-)	DI-CA WITH AROMATIC RING, USE (MODIFIED VERSION)	Di-CA with aromatic ring, use (modified version)	E10-C02C1		
New	E10-C02C2B	(2010-)	DI-CA WITH CYCLOALIPHATIC RING, USE (MODIFIED VERSION)	Di-CA with cycloaliphatic ring, use (modified version)	E10-C02C2		
New	E11-F01A	(2010-)	DIMERISATION	Dimerisation	E11-F01	Dimerisation is a reaction in which two monomers combine to form a dimer. An example would be conversion of ethene to butene.	Production by Dimerisation
New	E11-F07D	(2010-)	OTHER N PROCESSES	Other N processes		Used for other specified nitrogen processes. General references code as E11- F07.	
New	E11-F10	(2010-)	ADDITION OF P/SI OR ANY OTHER HETEROATOM OTHER THAN O, S AND N	Addition of P/Si or any other heteroatom other than O, S and N	E11-F	E.g. Phosphorylation, Silylation, Alkylation of Boron	P, Si, B, As, addition
New	E11-G05	(2010-)	DEHYDRATION	Dehydration		Applied in cases where dehydration results in a product formation. E.g. dehydration of ethanol fuel or manufacture of ethylene by dehydration of ethanol	
New	E11-G06	(2010-)	DEHYDROXYLATION	Dehydroxylation		removal of Hydroxy groups	
New	E11-G07	(2010-)	DEAMINATION	Deamination		removal of Amine groups	

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New	E11-K03	(2010-)	GREEN CHEMISTRY	Green Chemistry		Green chemistry. Applied to a chemical process designed to minimize the production of by-products. The code should only be applied to patents claiming a production process where a stated advantage is that the process is environmentally 'friendly' or that produces fewer by-products. May be used in conjunction with E11-W. See also N07-K01.	
New	E11-Q01C	(2010-)	EXTRACTION	Extraction	E11-Q01	Covers chemical compounds extracted from a plant or organism or any other natural materials.	Production by Extraction
Retired	E11-T	(1994-2009)	VAT RESIDUE, WASTE FROM PRODUCTION	Vat residue, waste from production			
New	E11-W	(2010-)	ENVIRONMENTALLY FRIENDLY INVENTIONS (COMPOSITIONS / APPLICATIONS)	Environmentally friendly inventions (compositions / applications)		Only applied in combination with other chemical manual codes. Reference must be made in the published claims to 'environment(al)' or 'carbon-friendly' benefits or improvement(s) of the novelty. May be used in conjunction with E11-K03. See also N06-G.	
New	E24-U	(2010-)	DYE OR PIGMENT BOUND TO NANOSTRUCTURE	Dye or pigment bound to nanostructure			
New	E27-B01A	(2010-)	PIGMENT MORPHOLOGY (NANO-FORM)	Pigment morphology (nano-form)			
New	E27-B02A	(2010-)	DYE MORPHOLOGY (NANO-FORM)	Dye morphology (nano-form)			
New	E27-B03A	(2010-)	OTHER MORPHOLOGY (NANO-FORM)	Other morphology (nano-form)			
Section H							
Changed	H01-B03D	(2005-)	TRANSMISSION/GENERATION OF POWER, DATA ETC.	Transmission/Generation of power, data etc.		Includes cables, connectors, antennae etc. for downhole use	
Changed	H01-C11	(1986-)	TESTING, CONTROL OPERATIONS AND EQUIPMENT, GENERAL	Testing, control operations and equipment, general			
New	H01-C13	(2010-)	VIBRATING ARRANGEMENTS	Vibrating arrangements			
Changed	H01-D12	(1986-)	TESTING, CONTROL OPERATIONS AND EQUIPMENT, GENERAL	Testing, control operations and equipment, general			
New	H01-E04	(2010-)	WATER TREATMENT	Water treatment		Includes composition e.g. anti-sludging agent, and apparatus	
New	H01-E05	(2010-)	SCALE INHIBITION	Scale Inhibition			
New	H01-H	(2010-)	WELL PLUGGING	Well plugging		Includes well killing compositions	
New	H01-P	(2010-)	OIL AND GAS WELL PIPES	Oil and gas well pipes		Includes pipes used during well drilling, completion and production (Analyst's suggestion was "Includes during well drilling, completion and production").	pipeline
New	H01-R	(2010-)	DEPLETED OIL /GAS FIELDS	Depleted oil /gas fields		Includes e.g. geothermal energy extraction systems	
New	H01-X	(2010-)	OTHER	Other		Includes well tractors and protective clothing	
Changed	H04-F01		PREPARATION/COMPOSITION	Preparation/composition		This code was retired in 199701. Catalyst production is now coded in H04-F05 and composition in H04-F06.	
New	H04-F06	(2010-)	CATALYST COMPOSITION	Catalyst composition			
New	H06-A05	(2010-)	SYNTHESIS GAS	Synthesis gas			
Changed	H07-G		LUBRICANT ADDITIVES [GENERAL]	Lubricant additives [general]		Includes additives used for speciality products given under H08-D	
Section J							
Changed	J04-B01A2	(2006-)	OPTICAL SPECTROSCOPY	Optical spectroscopy		Includes cellular imaging	
Changed	J07-A07	(1972-)	AIR CONDITIONERS	Air conditioners		Includes humidifiers	
Section L							
New	L01-G04F	(2010-)	COATING TECHNIQUES	Coating techniques			
New	L01-G04F1	(2010-)	PVD, CVD AND SPUTTERING	PVD, CVD and Sputtering			
New	L01-G04F2	(2010-)	OTHER COATING METHODS	Other coating methods			
New	L01-G11	(2010-)	CLEANING GLASS	Cleaning glass			
New	L01-L08	(2010-)	HOUSEHOLD USE	Household use		Includes tableware	
Changed	L01-M	(2005-)	CONTROL/TESTING METHODS	Control/Testing methods		Includes all measuring during processing of glass	
Changed	L02-A02B	(1994-)	PVD, CVD AND SPUTTERING TECHNIQUES	PVD, CVD and sputtering techniques		e.g. to form diamond films	

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Changed	L02-A08		TESTING/CONTROL	Testing/Control			
New	L02-A10	(2010-)	CLEANING	Cleaning			
New	L02-A11	(2010-)	CUTTING/WELDING	Cutting/welding			
New	L02-A12	(2010-)	SURFACE TREATMENT	Surface treatment		Includes etching, marking and engraving	
Changed	L02-D05	(2010-)	REINFORCED AND PRE-STRESSED CONCRETES AND MORTARS.	Reinforced and pre-stressed concretes and mortars.		Reinforced and pre-stressed concretes.	
Changed	L02-D14	(1972-)	CONCRETE ADDITIVES AND COATINGS	Concrete additives and coatings		Include additives for mortars.	
New	L02-G10B	(2010-)	LASER COMPOSITIONS	Laser compositions			
New	L03-A01A6	(2010-)	NANOMATERIALS	Nanomaterials			
Changed	L03-E08	(2006-)	PRODUCTION OF BATTERY COMPONENTS	Production of battery components		Includes apparatus for manufacturing battery and its components	
New	L03-G05A3	(2010-)	BACKLIGHT UNITS	Backlight units			
New	L03-G05H	(2010-)	MAGNETOPHORETIC DISPLAY	Magnetophoretic display			
Changed	L03-G09C	(2010-)	PYROELECTRIC	Pyroelectric			
New	L03-G09H	(2010-)	ELECTROSTRICTIVE	Electrostrictive			
New	L03-G09J	(2010-)	MAGNETOSTRICTIVE	Magnetostrictive			
New	L03-G09J	(2010-)	PHOTOELECTRIC	Photoelectric			
New	L03-G09P	(2010-)	PHOTORESIST	Photoresist		Excludes photoresist for PCB and semiconductor device manufacture. Includes resist for printer, LCD manufacture	
New	L03-G09T	(2010-)	THERMOELECTRIC	Thermoelectric			
New	L04-A03D	(2010-)	ZINC OXIDE	Zinc oxide			
New	L04-A05	(2010-)	SEMICONDUCTOR NANOMATERIALS	Semiconductor nanomaterials			
Changed	L04-C06B2	(2002-)	STRIPPING OF RESISTS	Stripping of resists		Includes stripping compositions	
Changed	L04-C07	(1986-)	SEMICONDUCTOR PROCESSING - ETCHING PROCESSES [GENERAL]	Semiconductor processing - etching processes [general]		Includes etch stop layers	
Changed	L04-C10A1	(2007-)	ELECTRICAL FUSES	Electrical fuses		Used in CMOS compatible processes. For chip ID, serial number, feature selection, memory redundancy, One Time Programmable (OTP).	
Changed	L04-C18B	(2005-)	TESTING METHODS/ APPARATUS	Testing methods/ apparatus		Includes measuring during processing and defect repair. See also U11-F codes.	
Changed	L04-C26	(1986-)	SEMICONDUCTOR PROCESSING - OTHER TREATMENT PROCESSES NOT SPECIFIED ABOVE	Semiconductor processing - other treatment processes not specified above		Includes spacers	
New	L04-D11	(2010-)	OTHER APPSRATUS	Other appsratus		Includes cleaning, testing of manufacturing apparatus. Can be used with other L04-D codes as appropriate.	
Section M							
Changed	M11-B07		ELECTROPLATING, ELECTROLYTIC TREATMENT OF OR WITH METALS - CONTROL SYSTEMS	Electroplating, electrolytic treatment of or with metals - control systems		Includes servicing electrolytic cells	
New	M11-B11	(2010-)	ELECTROLYTIC COATING CONTAINING EMBEDDED MATERIALS	Electrolytic coating containing embedded materials		Includes particulates, whiskers, composite materials	
Changed	M13-F05	(2002-)	APPARATUS	Apparatus		Include substrate holders	
Changed	M22-H01		METAL POWDERS, GRANULATES, FIBRES, PRODUCTION	Metal powders, granulates, fibres, production		Includes production of suspensions when details of the metal powder production are given.	
Changed	M23-H		ANCILLARY EQUIPMENT [GENERAL]	Ancillary equipment [general]		Includes equipment for cleaning welding devices	
Retired	M27-B01	(-2009)	PRODUCTION	Production	M27-A01		
Retired	M27-B01A	(-2009)	PRODUCTION WITH AL, SB AND/OR AS	Production with Al, Sb and/or As	M27-A01A		
Retired	M27-B01B	(-2009)	PRODUCTION WITH BA, BI, BE AND/OR B	Production with Ba, Bi, Be and/or B	M27-A01B		
Retired	M27-B01C	(-2009)	PRODUCTION WITH CU, CD, CR, CO AND/OR CA	Production with Cu, Cd, Cr, Co and/or Ca	M27-A01C		

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Retired	M27-B01J	(-2009)	PRODUCTION WITH IN AND/OR FE	Production with In and/or Fe	M27-A01J		
Retired	M27-B01L	(-2009)	PRODUCTION WITH PB	Production with Pb	M27-A01L		
Retired	M27-B01M	(-2009)	PRODUCTION WITH HG, MG, MN AND/OR MO	Production with Hg, Mg, Mn and/or Mo	M27-A01M		
Retired	M27-B01N	(-2009)	PRODUCTION WITH NI, NB AND/OR NOBLE METALS	Production with Ni, Nb and/or noble metals	M27-A01N		
Retired	M27-B01P	(-2009)	PRODUCTION WITH K AND/OR P	Production with K and/or P	M27-A01P		
Retired	M27-B01R	(-2009)	PRODUCTION WITH RARE EARTH METALS	Production with rare earth metals	M27-A01R		
Retired	M27-B01S	(-2009)	PRODUCTION WITH SI, NA AND/OR S	Production with Si, Na and/or S	M27-A01S		
Retired	M27-B01T	(-2009)	PRODUCTION WITH TA, SN, TI AND/OR W	Production with Ta, Sn, Ti and/or W	M27-A01T		
Retired	M27-B01U	(-2009)	PRODUCTION WITH U	Production with U	M27-A01U		
Retired	M27-B01V	(-2009)	PRODUCTION WITH V	Production with V	M27-A01V		
Retired	M27-B01X	(-2009)	PRODUCTION WITH OTHER SPECIFIED ELEMENTS	Production with other specified elements	M27-A01X		
Retired	M27-B01Z	(-2009)	PRODUCTION WITH ZN AND/OR ZR	Production with Zn and/or Zr	M27-A01Z		
Section N							
New	N05-E03A		ORGANIC RESIN	Organic resin			
New	N06-C09	(2010-)	NANO-CATALYST	Nano-Catalyst		Nano-structured catalyst. To be used in addition to other required N codes.	
New	N06-P	(2010-)	CATALYST PROMOTERS	Catalyst Promoters		Applied for catalyst promoters in addition to the related N Codes.	
Changed	N07-D05	(2002-)	HYDRATION, HYDROXYLATION, HYDROLYSIS	Hydration, hydroxylation, hydrolysis		For Hydrolysis there is already a specific code N07-F06	
New	N07-D11	(2010-)	ADDITION OF BORON, SILICON, PHOSPHORUS AND OTHER FUNCTIONS	Addition of boron, silicon, phosphorus and other functions	N07-D		
New	N07-D11A	(2010-)	ADDITION OF BORON FUNCTIONS	Addition of boron functions			
New	N07-D11B	(2010-)	ADDITION OF SILICON FUNCTIONS	Addition of silicon functions			
New	N07-D11C	(2010-)	ADDITION OF PHOSPHORUS FUNCTIONS	Addition of Phosphorus functions			
New	N07-F09	(2010-)	DEHYDRATION	Dehydration		Applied in cases where dehydration results in a product formation. E.g. dehydration of ethanol fuel or manufacture of ethylene by dehydration of ethanol	
New	N07-F10	(2010-)	DEHYDROXYLATION	Dehydroxylation		removal of Hydroxy groups	Cation/Anion Resin
New	N07-F11	(2010-)	DEAMINATION	Deamination		removal of Amine groups	
New	N07-F12	(2010-)	OTHER ELIMINATION REACTIONS	Other elimination reactions	N07-F	Applied for elimination reactions other than those mentioned above.	
New	N07-K01	(2010-)	CATALYST USED IN GREEN CHEMISTRY	Catalyst used in Green Chemistry		A catalyst used in a chemical process where minimum or no by-products are generated.[IMQ: Corresponds to E11-K03 process code.] To be used in addition to other required N codes. See also E11-K03 and/or E11-W.	
New	N07-L03B	(2010-)	DETECTION PROCESSES	Detection processes	N07-L03	Applied for detection processes where catalysts other than micro-organisms are used for detection.	Promoter