

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 127

DATE: OCTOBER 1, 2015

PROJECT MP0124

The following classification changes will be effected by this Notice of Changes:

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
Title wording change:	A01D	89/007
	A41C	1/16
	A41C	1/20
	A46B	13/006
	A46B	15/0038
	A46B	15/004
	A46B	15/0042
	A46B	15/0044
	A46B	15/0046
	A61B	5/015
	A61C	1/088
	A61G	7/047
	A61H	1/005
	A61H	2007/009
	A61H	2230/65
	A61M	5/326
	A63F	7/06
	B01F	2215/0029
	B03C	2201/18
	B03C	2201/20
	B09	class
	B28C	1/02
	B29L	2031/425
	B30B	15/044
	B30B	9/3042
	B60B	25/045
	B60B	3/045
	B60B	3/047
	B60B	3/048
	B60K	2015/0419
	B60N	2/0224
	B60P	subclass
	B60P	3/00
	B60R	13/0815
	B64D	2045/0075
	B65F	2240/00
	B65H	2408/232
	B65H	2408/2324
	C04B	18/027
	C04B	18/028
	C04B	20/008
	C04B	2103/0047
	C04B	2111/00913

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	C04B	22/00
	C04B	22/004
	C04B	26/00
	C04B	38/0006
	C08F	222/00
	C08F	4/6192
	C08F	4/6228
	C08F	4/63
	C08F	4/638
	C08F	4/6428
	C09K	2205/44
	C11C	3/14
	C13K	13/00
	C25D	1/006
	C25D	11/026
	C25D	15/00
	C25D	7/12
	C25D	7/123
	E01F	9/019
	E01F	9/042
	E05C	17/04
	F01N	2610/1493
	F01N	3/02
	F01N	3/2853
	F01N	5/00
	F16H	2059/363
	F16H	25/2295
	F16H	2059/0247
	F25B	13/00
	F25B	2309/1419
	F25B	2400/06
	F25D	2400/26
	F25D	2700/123
	F25J	1/0238
	G03G	15/5004
	G04B	21/02
	G06F	8/38
	G06F	9/4405
	H01J	37/32082
	H01J	37/32192
	H01J	37/32321
	H01L	2224/03312
	H01L	2224/11312
	H01L	2224/27312
	H01L	2224/82106
	H02N	3/00

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This Notice of Changes includes the following *[Check the ones included]:*

1. CLASSIFICATION SCHEME CHANGES
 - A. New, Modified or Deleted Group(s)
 - B. New, Modified or Deleted Warning Notice(s)
 - C. New, Modified or Deleted Note(s)
 - D. New, Modified or Deleted Guidance Heading(s)
2. DEFINITIONS (New or Modified)
 - A. DEFINITIONS (Full definition template)
 - B. DEFINITIONS (Definitions Quick Fix)
3. REVISION CONCORDANCE LIST (RCL)
4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
5. CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS A01D - HARVESTING; MOWING ({parts, details or accessories of agricultural machines or implements in general A01B51/00 to A01B75/00})

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0,</u> <u>1, 2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	A01D89/007	2	{Devices for preparing the picking-up of the windrow}	

SUBCLASS A41C - CORSETS; BRASSIERES

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0,</u> <u>1, 2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	A41C1/16	3	made of wire	
M	A41C1/20	3	with protective caps	

SUBCLASS A46B - BRUSHES (handles not integral with brushware B25G)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0,</u> <u>1, 2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	A46B13/006	2	{formed by winding a strip tuft in a helix about the body}	
M	A46B15/0038	2	{with signalling means}	
M	A46B 15/004	3	{with an acoustic signalling means, e.g. noise}	
M	A46B15/0042	4	{with musical signalling means}	
M	A46B15/0044	3	{with light signalling means (A46B 15/0034, A46B 15/0036 takes precedence)}	
M	A46B15/0046	3	{with vibrating signalling means}	

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SUBCLASS A61B - DIAGNOSIS; SURGERY; IDENTIFICATION (analysing biological material G01N, e.g. G01N33/48 ; obtaining records using waves other than optical waves, in general G03B42/00)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0,</u> <u>1, 2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	A61B5/015	2	{By temperature mapping of body part }	

SUBCLASS A61C - DENTISTRY; APPARATUS OR METHODS FOR ORAL OR DENTAL HYGIENE (non-driven toothbrushes A46B; {tongue scrapers A61B17/24;} preparations for dentistry A61K6/00; preparations for cleaning the teeth or mouth A61K8/00, A61Q11/00)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0,</u> <u>1, 2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be enclosed</u> <u>in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	A61C1/088	2	{Illuminating devices or attachments (for examination of the mouth A61B1/24 and A61B1/06)}	

SUBCLASS A61G - TRANSPORT OR ACCOMODATION FOR PATIENTS; OPERATING TABLES OR CHAIRS; CHAIRS FOR DENTISTRY; FUNERAL DEVICES (embalming corpses A01N1/00; {chairs or beds in general A47C; walking aids A61H3/00 }

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number</u> <u>of dots</u> <u>(e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be enclosed in</u> <u>{curly brackets}**</u>	<u>Transferred to[#]</u>
M	A61G7/047	1	Beds for special sanitary purposes {, e.g. for giving enemas, irrigations, flushings (A61G7/02 takes precedence; means for bathing bed-ridden persons A61G7/0005)}	

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SUBCLASS A61H - PHYSICAL THERAPY APPARATUS, e.g. DEVICES FOR LOCATING OR STIMULATING REFLEX POINTS IN THE BODY; ARTIFICIAL RESPIRATION; MASSAGE; BATHING DEVICES FOR SPECIAL THERAPEUTIC OR HYGIENIC PURPOSES OR SPECIFIC PARTS OF THE BODY (methods or devices enabling invalids to operate an apparatus or a device not forming part of the body A61F4/00; electrotherapy, magnetotherapy, radiation therapy, ultrasound therapy A61N)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	A61H1/005	1	{Moveable platform, e.g. vibrating or oscillating platform for standing, sitting, laying, leaning}	
M	A61H2007/009	2	{having massage elements rotating on parallel output axis}	
M	A61H2230/65	1	Impedance, e.g. skin conductivity; capacitance, e.g. galvanic skin response [GSR]	

SUBCLASS A61M - DEVICES FOR INTRODUCING MEDIA INTO, OR ONTO, THE BODY (introducing media into or onto the bodies of animals A61D7/00; means for inserting tampons A61F13/26; devices for administering food or medicines orally A61J; containers for collecting, storing or administering blood or medical fluids A61J1/05); DEVICES FOR TRANSDUCING BODY MEDIA OR FOR TAKING MEDIA FROM THE BODY (surgery A61B; chemical aspects of surgical articles A61L); DEVICES FOR PRODUCING OR ENDING SLEEP OR STUPOR

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	A61M5/326	8	{Fully automatic, i.e. in which the triggering does not require a deliberate action by the user}	

SUBCLASS A63F - CARD, BOARD, OR ROULETTE GAMES; INDOOR GAMES USING SMALL MOVING PLAYING BODIES; VIDEO GAMES; GAMES NOT OTHERWISE PROVIDED FOR

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	A63F7/06	1	Games simulating outdoor ball games, e.g. hockey {or football (if physically beneficial for the human body A63B 67/00)}	

SUBCLASS B01F - MIXING, e.g. DISSOLVING, EMULSIFYING, DISPERSING (miscellaneous implements for preparing food, e.g. machines for domestic use for mixing, egg-whisks, cream beaters

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A47J43/00); mixing paints B44D3/06; {apparatus specially adapted for mixing radioactively contaminated material G21F9/008})

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	B01F2215/0029	2	Mixing ingredients for bone cement (equipment for handling bone cement A61B17/8802)	

SUBCLASS B03C - MAGNETIC OR ELECTROSTATIC SEPARATION OF SOLID MATERIALS FROM SOLID MATERIALS OR FLUIDS; SEPARATION BY HIGH-VOLTAGE ELECTRIC FIELDS (filters making use of electricity or magnetism B01D35/06; separating isotopes B01D59/00; combinations of magnetic or electrostatic separation with separation of solids by other means B03B, B07B; separating sheets from piles B65H3/00; magnets or magnet coils per se H01F)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	B03C2201/18	1	Magnetic separation whereby the particles are suspended in a liquid	
M	B03C2201/20	1	Magnetic separation whereby the particles to be separated are in solid form	

CLASS B09 - DISPOSAL OF SOLID WASTE; RECLAMATION OF CONTAMINATED SOIL (treatment of waste water, sewage or sludge C02F; treating radioactively contaminated solids G21F9/28)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	B09	0	DISPOSAL OF SOLID WASTE; RECLAMATION OF CONTAMINATED SOIL {(treatment of waste water, sewage or sludge C02F; treating radioactively contaminated solids G21F9/28)}	

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SUBCLASS B28C - PREPARING CLAY; PRODUCING MIXTURES CONTAINING CLAY OR CEMENTITIOUS MATERIAL, e.g. PLASTER (preparing material for foundry moulds B22C5/00)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	B28C1/02	1	for producing or processing clay suspensions {, e.g. slip} (producing or processing suspensions in general B01)	

SUBCLASS B29L - INDEXING SCHEME ASSOCIATED WITH SUBCLASS B29C, RELATING TO PARTICULAR ARTICLES

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	B29L2031/425	2	{Toothbrush}	

SUBCLASS B30B - PRESSES IN GENERAL (producing ultra-high pressure or ultra-high pressure and high temperature to effect modifications of a substance, e.g. for making artificial diamonds B01J3/00) (compressing means for refuse receptacles B65F1/1405)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	B30B9/3042	2	{Containers provided with, or connectable to, compactor means}	
M	B30B15/044	2	{Means preventing deflection of the frame, especially for C-frames}	

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SUBCLASS B60B - VEHICLE WHEELS; CASTORS; AXLES; INCREASING WHEEL ADHESION

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g.</u> <u>0, 1, 2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be enclosed in</u> <u>{curly brackets}**</u>	<u>Transferred to#</u>
M	B60B3/045	3	{characterised by the attachment portions}	
M	B60B3/047	4	{comprising specific torque transmitting means}	
M	B60B3/048	2	{the rim being rotatably mounted to the wheel disc}	
M	B60B25/045	2	{on both sides}	

SUBCLASS B60K - ARRANGEMENT OR MOUNTING OF PROPULSION UNITS OR OF TRANSMISSIONS IN VEHICLES; ARRANGEMENT OR MOUNTING OF PLURAL DIVERSE PRIME-MOVERS; AUXILIARY DRIVES; INSTRUMENTATION OR DASHBOARDS FOR VEHICLES; ARRANGEMENTS IN CONNECTION WITH COOLING, AIR INTAKE, GAS EXHAUST, OR FUEL SUPPLY, OF PROPULSION UNITS, IN VEHICLES

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	B60K2015/0419	4	{Self-sealing closure caps, e.g. that don't have to be removed manually}	

SUBCLASS B60N - VEHICLE PASSENGER ACCOMMODATION NOT OTHERWISE PROVIDED FOR (furniture construction A47)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0,</u> <u>1, 2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	B60N2/0224	2	{Non-manual adjustment, e.g. with electrical operation}	

SUBCLASS B60P - VEHICLES ADAPTED FOR LOAD TRANSPORTATION OR TO TRANSPORT, TO CARRY OR TO COMPRISE SPECIAL LOADS OR OBJECTS (vehicles with special provisions for invalids A61G3/00)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	B60P	SUBCLASS	VEHICLES ADAPTED FOR LOAD TRANSPORTATION OR TO TRANSPORT, TO CARRY, OR TO COMPRISE SPECIAL LOADS OR OBJECTS (vehicles with special provisions for transporting patients or disabled persons,	

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
			or their personal conveyances A61G 3/00)	
M	B60P3/00	0	Vehicles adapted to transport, to carry or to comprise special loads or objects (ambulances or other vehicles with special provisions for transporting patients or disabled persons, or their personal conveyances A61G 3/00; hearses A61G 21/00; fire-fighting land vehicles A62C 27/00; refuse-collecting vehicles B65F 3/00, B65F 7/00; snow-removing vehicles E01H; armoured or armed vehicles F41H 7/00; self-propelled mine-clearing vehicles F41H 11/16)	

SUBCLASS B60R - VEHICLES, VEHICLE FITTINGS, OR VEHICLE PARTS, NOT OTHERWISE PROVIDED FOR

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	B60R13/0815	2	{ Acoustic or thermal insulation of passenger compartments (wall or roof liners integrating the insulating function B60R13/02; insulating floor mats or carpets B60N3/04)}	

SUBCLASS B64D - EQUIPMENT FOR FITTING IN OR TO AIRCRAFT; FLYING SUITS; PARACHUTES; ARRANGEMENTS OR MOUNTING OF POWERPLANTS OR PROPULSION TRANSMISSIONS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0,</u> <u>1, 2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	B64D2045/0075	1	{Adaptations for use of electronic flight bags in aircraft; Supports therefor in the cockpit}	

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SUBCLASS B65F - GATHERING OR REMOVAL OF DOMESTIC OR LIKE REFUSE (disinfecting refuse A61L; refuse disintegrators B02C; sorting refuse B03B; B07B; handcarts for transporting refuse receptacles B62B; sack holders B65B67/00; converting refuse into fertilisers C05F; converting refuse into solid fuels C10L; sewers, cesspools E03F; arrangements in buildings for the disposal of refuse E04F17/10; refuse-consuming furnaces F23G; {for surgical articles A61B19/0287})

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0,</u> <u>1, 2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	B65F2240/00	0	Types of refuse collected	

SUBCLASS B65H - HANDLING THIN OR FILAMENTARY MATERIAL, e.g. SHEETS, WEBS, CABLES

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0,</u> <u>1, 2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	B65H2408/232	3	Winding beds consisting of two rollers	
M	B65H2408/2324	4	The winding rollers having different properties	

SUBCLASS C04B - LIME, MAGNESIA; SLAG; CEMENTS; COMPOSITIONS THEREOF, e.g. MORTARS, CONCRETE OR LIKE BUILDING MATERIALS; ARTIFICIAL STONE ({roofing granules E04D7/005}); CERAMICS ({devitrified glass-ceramics C03C10/00}); REFRACTORIES; TREATMENT OF NATURAL STONE

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0,</u> <u>1, 2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	C04B18/027	2	{Lightweight materials (C04B14/12 takes precedence)}	
M	C04B18/028	2	{temporarily agglomerated, e.g. agglomerates which fall apart during mixing with the other mortar or concrete ingredients}	
M	C04B20/008	2	{Micro- or nanosized fillers, e.g. micronised fillers with particle size smaller than that of the hydraulic binder (colloidal silica C04B14/062; silica fume C04B18/146)}	
M	C04B2103/0047	3	as a mixture of monomers and prepolymers or oligomers	
M	C04B2111/00913	3	as ceramic preforms for the fabrication of metal matrix composites, e.g. cermets	
M	C04B22/00	0	Use of inorganic materials as active ingredients for mortars, concrete or artificial stone, e.g. accelerators {, shrinkage compensating agents}	

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M	C04B22/004	2	{containing dissolved additives or active agents, i.e. aqueous solutions used as gauging water (C04B22/0026 takes precedence)}	
M	C04B26/00	0	Compositions of mortars, concrete or artificial stone, containing only organic binders {, e.g. polymer or resin concrete (mechanical aspects of moulding polymer or resin concrete B29C67/242)}	
M	C04B38/0006	1	{Honeycomb structures (from one or more corrugated sheets by winding or stacking C04B38/0083)}	

SUBCLASS C08F - MACROMOLECULAR COMPOUNDS OBTAINED BY REACTIONS ONLY INVOLVING CARBON-TO-CARBON UNSATURATED BONDS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	C08F222/00	0	Copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a carboxyl radical and containing at least one other carboxyl radical in the molecule; Salts, anhydrides, esters, amides, imides, or nitriles thereof	
M	C08F4/6192	5	{containing at least one cyclopentadienyl ring, condensed or not, e.g. an indenyl or a fluorenyl ring}	
M	C08F4/6228	6	{with an aluminoxane, i.e. a compound containing an Al-O-Al- group}	
M	C08F4/63	5	Pretreating the metal or compound covered by group C08F4/62 before the final contacting with the metal or compound covered by group C08F4/44 {(C08F4/62003 - C08F4/62196 take precedence)}	
M	C08F4/638	7	{with metals or metal-containing compounds, not provided for in a single group of groups C08F4/633 to C08F4/637}	
M	C08F4/6428	7	{with an aluminoxane, i.e. a compound containing an Al-O-Al- group}	

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SUBCLASS C09K - MATERIALS FOR MISCELLANEOUS APPLICATIONS, NOT PROVIDED FOR ELSEWHERE

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0,</u> <u>1, 2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	C09K2205/44	2	Type R13B1	

SUBCLASS C11C - FATTY ACIDS FROM FATS, OILS OR WAXES; CANDLES; FATS, OILS OR FATTY ACIDS BY CHEMICAL MODIFICATION OF FATS, OILS, OR FATTY ACIDS OBTAINED THEREFROM

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g.</u> <u>0, 1, 2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be enclosed</u> <u>in {curly brackets}**</u>	<u>Transferred to#</u>
M	C11C3/14	1	by isomerisation {(isomerisation induced by hydrogenation C11C3/12)}	

SUBCLASS C13K - SACCHARIDES, OTHER THAN SUCROSE, OBTAINED FROM NATURAL SOURCES OR BY HYDROLYSIS OF NATURALLY OCCURRING DI-, OLIGO- OR POLYSACCHARIDES (chemically synthesised sugars or sugar derivatives C07H; polysaccharides, e.g. starch, derivatives thereof C08B; malt C12C; fermentation or enzyme-using processes for preparing compounds containing saccharide radicals C12P19/00)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g.</u> <u>0, 1, 2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be enclosed</u> <u>in {curly brackets}**</u>	<u>Transferred to#</u>
M	C13K13/00	0	{Sugars not otherwise provided for in this class}	

SUBCLASS C25D - PROCESSES FOR THE ELECTROLYTIC OR ELECTROPHORETIC PRODUCTION OF COATINGS; ELECTROFORMING (decorating textiles by metallising D06Q1/04; manufacturing printed circuits by metal deposition H05K3/18); APPARATUS THEREFOR

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g.</u> <u>0, 1, 2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be enclosed</u> <u>in {curly brackets}**</u>	<u>Transferred to#</u>
M	C25D1/006	1	{Nanostructures, e.g. using aluminium anodic oxidation templates [AAO]}	
M	C25D7/12	1	Semiconductors	
M	C25D7/123	2	{coated first with a seed layer, e.g. for filling vias}	
M	C25D11/026	2	{Anodisation with spark discharge}	

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M	C25D15/00	0	Electrolytic or electrophoretic production of coatings containing embedded materials, e.g. particles, whiskers, wires	

SUBCLASS E01F - ADDITIONAL WORK, SUCH AS EQUIPPING ROADS OR THE CONSTRUCTION OF PLATFORMS, HELICOPTER LANDING STAGES, SIGNS, SNOW FENCES, OR THE LIKE

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	E01F9/019	2	extensible, collapsible or pivotable {, e.g. telescopic,} (E01F9/017, E01F9/018 take precedence) {; retractable or otherwise movable to an underground position (E01F9/093, E01F13/046, E01F13/085 take precedence; retractable traffic islands E01F1/00)}	
M	E01F9/042	3	{Preformed markings, e.g. materials for sheets or signs, methods of bonding same to road surface (traffic line tapes E01F9/083)}	

SUBCLASS E05C - BOLTS OR FASTENING DEVICES FOR WINGS, SPECIALLY FOR DOORS OR WINDOWS (latching means for sideboard or tailgate structures for vehicles B62D, {B62D33/02}; fastening devices for constructional or engineering elements E04, F16B; locks, fastening devices structurally or operatively combined or having significant cooperation with locks E05B; means for operating or controlling wing fasteners in conjunction with mechanisms for moving the wing E05F)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	E05C17/04	2	with a movable bar or equivalent member extending between frame and wing	

SUBCLASS F01N - GAS-FLOW SILENCERS OR EXHAUST APPARATUS FOR MACHINES OR ENGINES IN GENERAL; GAS-FLOW SILENCERS OR EXHAUST APPARATUS FOR INTERNAL COMBUSTION ENGINES ({evacuation of fumes from the area where they are produced B08B15/00; arrangement of exhaust or silencing apparatus on percussive tools B25D17/12 }; arrangements in connection with gas exhaust of propulsion units in vehicles B60K13/00, {on ships or other waterborne vessels B63H21/32, on aircraft B64D33/04; arrangement of exhaust or silencing apparatus on firearms F41A21/30; ground installations for reducing aircraft engine or jet noise B64F1/26; silencers specially adapted for steam engines F01B31/16 ; air-intake silencers for gas turbine or jet propulsion plants F02C7/045; jet pipe or nozzles for jet propulsion plants F02K }; combustion-air intake silencers specially adapted for, or arranged on, internal-

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combustion engines F02M35/00 ; { combating noise or silencing in positive displacement machines or pumps F04B39/0027, in rotary-piston machines or pumps F04C29/06, in non-positive displacement pumps F04D29/66; means in valves for absorbing noise F16K47/02; noise absorbers in pipe system F16L55/02; conducting smoke or fumes from various locations to the outside F23J11/00 ; means for preventing or suppressing noise in air-conditioning or ventilation systems F24F13/24}; protecting against, or damping, noise in general G10K11/16)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	F01N3/02	1	for cooling, or for removing solid constituents of, exhaust (by means of electric or electrostatic separators F01N3/01 {; mixing air with exhaust in tailpipes F01N13/082, F01N13/20))	
M	F01N3/2853	6	{using mats or gaskets between catalyst body and housing}	
M	F01N5/00	0	Exhaust or silencing apparatus combined or associated with devices profiting from exhaust energy (using kinetic or wave energy of exhaust gases in exhaust systems for charging F02B; predominant aspects of such devices, see the relevant classes for the devices)	
M	F01N2610/1493	2	Purging the reducing agent out of the conduits or nozzle	

SUBCLASS F16H - GEARING ({steering of motor vehicles by differentially driving ground-engaging elements on opposite vehicle sides B62D11/02})

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	F16H25/2295	5	{Rings which are inclined or can pivot around an axis perpendicular to the screw shaft axis}	
M	F16H2059/0247	3	{with lever or paddle behind steering wheel}	
M	F16H2059/363	2	{Rate of change of input shaft speed, e.g. of engine or motor shaft}	

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SUBCLASS F25B - REFRIGERATION MACHINES, PLANTS OR SYSTEMS; COMBINED HEATING AND REFRIGERATION SYSTEMS; HEAT-PUMP SYSTEMS ({ evaporation or evaporation apparatus for physical or chemical purposes, e.g. evaporation of liquids for gas phase reactions B01B1/005}; heat-transfer, heat-exchange or heat-storage materials, e.g. refrigerants, or materials for the production of heat or cold by chemical reactions other than by combustion C09K5/00; pumps, compressors F04; use of heat-pumps for domestic- or space-heating or for domestic hot-water supply F24D; air-conditioning, air-humidification F24F; fluid heaters using heat pumps F24H)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	F25B13/00	0	Compression machines, plant or systems with reversible cycle (defrosting cycles F25B47/02)	
M	F25B2309/1419	2	Pulse-tube cycles with pulse tube having a basic pulse tube refrigerator [PTR], i.e. comprising a tube with basic schematic	
M	F25B2400/06	1	Several compression cycles arranged in parallel	

SUBCLASS F25D - REFRIGERATORS; COLD ROOMS; ICE-BOXES; COOLING OR FREEZING APPARATUS NOT COVERED BY ANY OTHER SUBCLASS (refrigerated show cases A47F3/04; thermally-insulated vessels for domestic use A47J41/00; refrigerated vehicles, see the appropriate subclasses of classes B60 to B64; containers with thermal insulation in general B65D81/38; heat-transfer, heat-exchange or heat-storage materials, e.g. refrigerants, or materials for the production of heat or cold by chemical reactions other than by combustion C09K5/00; thermally-insulated vessels for liquefied or solidified gases F17C ; air-conditioning or air-humidification F24F; refrigeration machines, plants or systems F25B; cooling of instruments and comparable apparatus without refrigeration G12B; cooling of engines or pumps, see the relevant classes)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0,</u> <u>1, 2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	F25D2400/26	1	Refrigerating devices for cooling wearing apparel, e.g. garments, hats, shoes or gloves	
M	F25D2700/123	2	more than one sensor measuring the inside temperature in a compartment	

SUBCLASS F25J - LIQUEFACTION, SOLIDIFICATION OR SEPARATION OF GASES OR GASEOUS {or liquefied gaseous} MIXTURES BY PRESSURE AND COLD TREATMENT {or by bringing them into the supercritical state} ({cryogenic pumps F04B37/08; gas storage vessels, gas holders F17; filling vessels with, or discharging from vessels, compressed, liquefied or solidified gases F17C; refrigeration machines, plants, or systems F25B})

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g.</u> <u>0, 1, 2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be enclosed</u> <u>in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	F25J1/0238	5	{Purification or treatment step is integrated within	

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			one refrigeration cycle only, i.e. the same or single refrigeration cycle provides feed gas cooling (if present) and overhead gas cooling}	

SUBCLASS G03G - ELECTROGRAPHY; ELECTROPHOTOGRAPHY; MAGNETOGRAPHY
(information storage based on relative movement between record carrier and transducer G11B; static stores with means for writing-in or reading-out information G11C; recording of television signals H04N5/76)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	G03G15/5004	2	{Power supply control, e.g. power-saving mode, automatic power turn-off}	

SUBCLASS G04B - MECHANICALLY-DRIVEN CLOCKS OR WATCHES; MECHANICAL PARTS OF CLOCKS OR WATCHES IN GENERAL; TIME PIECES USING THE POSITION OF THE SUN, MOON OR STARS (spring- or weight-driven mechanisms in general F03G; electromechanical clocks or watches G04C; electromechanical clocks with attached or built-in means operating any device at pre-selected times or after predetermined time intervals G04C23/00; clocks or watches with stop devices G04F7/08)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	G04B21/02	1	Regular striking mechanisms giving the full hour, half hour or quarter hour {(electrically operating striking mechanism G04C21/06)}	

SUBCLASS G06F - ELECTRICAL DIGITAL DATA PROCESSING (computers in which a part of the computation is effected hydraulically or pneumatically G06D; optically G06E; self-contained input or output peripheral equipment G06K; impedance networks using digital techniques H03H)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	G06F8/38	2	{Implementation of user interfaces (interaction techniques for graphical user interfaces G06F3/048)}	
M	G06F9/4405	4	{Initialisation of multiprocessor systems}	

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SUBCLASS H01J - ELECTRIC DISCHARGE TUBES OR DISCHARGE LAMPS (spark-gaps H01T; arc lamps with consumable electrodes H05B; particle accelerators H05H)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	H01J 37/32082	3	{Radio frequency generated discharge (H01J37/32357, H01J37/32366, H01J37/32394 and H01J37/32403 take precedence)}	
M	H01J 37/32192	3	{Microwave generated discharge (H01J37/32357, H01J37/32366, H01J37/32394, H01J 37/32403 take precedence)}	
M	H01J37/32321	3	{Discharge generated by other radiation (H01J37/32055, H01J37/32073, H01J37/32082, H01J37/32192, H01J37/32348 take precedence)}	

SUBCLASS H01L - SEMICONDUCTOR DEVICES; ELECTRIC SOLID STATE DEVICES NOT OTHERWISE PROVIDED FOR (use of semiconductor devices for measuring G01; resistors in general H01C; magnets, inductors {in general}, transformers H01F; capacitors in general H01G; electrolytic devices H01G9/00; batteries, accumulators H01M; waveguides, resonators or lines of the waveguide type H01P; line connectors, current collectors H01R; stimulated emission devices H01S; electromechanical resonators H03H; loudspeakers, microphones, gramophone pick-ups or like acoustic electromechanical transducers H04R; electric light sources in general H05B; printed circuits, hybrid circuits, casings or constructional details of electric apparatus, manufacture of assemblages of electrical components H05K; use of semiconductor devices in circuits having a particular application, see the subclass for the application)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	H01L2224/03312	6	Continuous flow, e.g. using a micro-syringe, a pump, a nozzle or extrusion	
M	H01L2224/11312	6	Continuous flow, e.g. using a micro-syringe, a pump, a nozzle or extrusion	
M	H01L2224/27312	6	Continuous flow, e.g. using a micro-syringe, a pump, a nozzle or extrusion	
M	H01L2224/82106	4	by subtractive methods	

SUBCLASS H02N - ELECTRIC MACHINES NOT OTHERWISE PROVIDED FOR

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	H02N3/00	0	Generators in which thermal or kinetic energy is converted into electrical energy by ionisation of a fluid and removal of the charge	

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			therefrom (discharge tubes functioning as thermionic generators H01J45/00)	

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; E= existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

- **No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types except “D” which requires only a symbol.
- #“Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.