

WIPO



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SPECIAL UNION FOR THE INTERNATIONAL PATENT CLASSIFICATION (IPC UNION)

COMMITTEE OF EXPERTS

Twenty-Seventh Session
Geneva, October 21 to 30, 1998

PROPOSED AMENDMENTS TO THE IPC EMANATING FROM REVISION PROJECTS

Document prepared by the International Bureau

1. The amendments to the IPC emanating from revision projects, contained in the Annexes to this document, have been approved by the PCIPI Working Group on Search Information, at its sixteenth to twenty-first sessions, and are herewith submitted to the Committee of Experts for adoption. These amendments concern the following IPC classes and subclasses:

<u>Area</u>	<u>Annex</u>	<u>Project</u>	<u>Area</u>	<u>Annex</u>	<u>Project</u>
A 01 N	1	319	A 61 K	10	319
A 23 B	2	338	A 61 L	11	319, 320
A 41 B	3	339	A 63 F	12	274
A 41 C	4	339	B 05	13	260
A 47 G	5	317	B 08 B	14	275
A 47 H	6	317	B 09 B	15	383
A 47 K	7	317	B 22 D	16	286
A 61 F	8	318, 320, 339	B 23 K	17	276
A 61 H	9	317	B 23 P	18	347

<u>Area</u>	<u>Annex</u>	<u>Project</u>	<u>Area</u>	<u>Annex</u>	<u>Project</u>
B 25 J	19	349	F 15 C	48	384
B 29 D	20	351	F 16 H	49	370
B 60 H	21	324	F 16 K	50	384
B 60 N	22	324	F 16 L	51	275
B 62 D	23	259, 356	F 21 V	52	28
B 65 D	24	318	F 23 N	53	372
B 81	25	384	F 24 B	54	372
B 81 B	26	384	G 01	55	384
B 81 C	27	384	G 01 N	56	292, 319, 374
B 82	28	384	G 02 B	57	384
B 82 B	29	384	G 02 C	58	319
C 02 F	30	281	G 03 H	59	298
C 03 B	31	260	G 05 G	60	274, 334
C 03 C	32	260	G 06 K	61	274, 301
C 07 C	33	359	G 08 B	62	296
C 08 K	34	328, 329, 360	G 09 F	63	310, 384
C 11 D	35	319	G 09 G	64	297
C 22 C	36	286	G 11 B	65	298, 300, 384
C 23 C	37	286, 287	G 12 B	66	384
C 25 B	38	288	H 01	67	384
D 06 H	39	292	H 01 H	68	379, 381, 384
D 06 L	40	364	H 01 J	69	333, 383
D 06 P	41	330	H 01 L	70	384
E 01 B	42	365	H 02 K	71	384
E 03 C	43	317	H 02 N	72	384
E 03 D	44	317	H 03 H	73	384
E 05 D	45	306	H 04 M	74	299, 300, 301,
F 01 N	46	331			302, 303, 313
F 04 B	47	384	H 04 R	75	384

2. The amendments referred to in the preceding paragraph have been compiled by the International Bureau of WIPO from the following Annexes of the reports of the PCIP Working Group on Search Information (in the order of the revision projects):

Project/Projet	Class or subclass affected/ Classe ou sous-classe touchée	Approved amendments contained in Annex .. to document/ Modifications approuvées contenues dans l'annexe .. du document											
		SI/21/6		SI/XX/7		XIX/5		XVIII/6		XVII/9		XVI/8	
		(E)	(F)	(E)	(F)	(E)	(F)	(E)	(F)	(E)	(F)	(E)	(F)
372	F 23 N	<i>E,69E</i>	<i>E,69F</i>										
	F 24 B	70E	70F										
374	G 01 N	71											
379	H 01 H	72											
381	H 01 H	73											
383	B 09 B	74E	74F										
	H 01 J	75E	75F										
384	B 81		76	83									
	B 81 B		77	84									
	B 81 C		78	85									
	B 82		79	86									
	B 82 B		80	87									
	F 04 B		81	88									
	F 15 C		82	89									
	F 16 K		83	90									
	G 01		84	91									
	G 02 B		85	92									
	G 09 F		86	93									
	G 11 B		87	94									
	G 12 B	<i>E,88E</i>	88F	95 [*]									
	H 01		89	96									
	H 01 H		90	97									
	H 01 L		91	98									
	H 02 K		92	99									
	H 02 N		93	100									
	H 03 H		94	101									
	H 04 R		95	102									

3. In addition to the approval of the amendments referred to above, the PCIPI Working Group on Search Information considered matters to which its attention had been drawn by the Committee of Experts (see document IPC/CE/26/8, paragraph 12) and agreed as follows:

Project C 28 (mechanical) – Following the instruction given by the IPC Committee of Experts in respect of the proposed subdivisions of group F 21 V 17/00 (see document IPC/CE/26/8, paragraph 12), it was agreed, in order to exclude overlap between those subdivisions, to introduce additional precedence notes and to create a hierarchical superior group covering “fastening characterised by special fastening means or way of fastening” (see Annex 52 to this document).

4. The following changes to amendments already approved by the Committee of Experts were agreed to by the PCIPI Working Group on Search Information:

Project	Document and Annex	Place	Superseded by corresponding entry, see Annex .. to this document
274	CE/26/8, A.6	A 63 F 9/00	12
383	CE/26/8, A.12	B 09 B Note after the title	15
372	CE/26/8, A.50	F 23 N Title	53
384	CE/26/8, A.68	G 11 B Note after the title	65
384	CE/26/8, A.70	G 12 B Note after 21/00	66

5. *The Committee of Experts is invited to adopt the amendments to the IPC proposed in Annexes 1 to 75 to this document.*

[Technical Annexes follow]

TECHNICAL ANNEXES

ANNEX 1	A 01 N	[Project-Rapporteur : 319/GB]	<CE27190E>
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Title	--- sterilisation in general, deodorisation of air, apparatus therefor ---
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ANNEX 2	A 23 B	[Project-Rapporteur : 338/RU]	<CE27115E>
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Title	--- general A 23 L 3/00; applying food ---
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ANNEX 3	A 41 B	[Project-Rapporteur : 339/IE]	<CE27117E>
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9/00	Undergarments (corsets, brassières A 41 C)
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ANNEX 4	A 41 C	[Project-Rapporteur : 339/IE]	<CE27119E>
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Title	CORSETS; BRASSIÈRES
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ANNEX 5	A 47 G	[Project-Rapporteur : 317/GB]	<CE27007E>
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5/00	Screens (shower screens A 47 K 3/30; shutters closing an ---
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ANNEX 6	A 47 H	[Project-Rapporteur : 317/GB]	<CE27008E>
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23/00	Curtains; Draperies (shower curtain arrangements A 47 K 3/38)
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ANNEX 7	A 47 K	[Project-Rapporteur : 317/GB]	<CE27006E>
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3/00	Baths; Showers; Appurtenances therefor ---
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C 3/02	• Baths (combined with showers 3/20; heatable F 24 H)
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- 3/08 • • Cabinet baths (shower cabinets [3/30](#))
- 3/20 • Baths combined with showers
- D* 3/22 (*transferred to 3/26, 3/28, covered by 3/00*)
- D* 3/23 (*transferred to 3/32*)
- D* 3/24 (*transferred to 3/28*)
- N* 3/26 • *Bidets without upward spraying means (bidets with upward spraying means [A 61 H 35/00, E 03 D 9/08](#))*
- N* 3/28 • *Showers (combined with baths [3/20](#); nozzles, spray heads [B 05 B 1/00](#))*
- N* 3/30 • • *Screens or cabinets*
- N* 3/32 • • • *Collapsible cabinets*
- N* 3/34 • • • *Slidable screens ([3/36](#) takes precedence)*
- N* 3/36 • • • *Articulated screens*
- N* 3/38 • • • *Curtain arrangements (curtains, curtain suspension devices [A 47 H](#))*
- N* 3/40 • • • *Pans or trays*
- 4/00** **Combinations of baths, showers, sinks, wash-basins, ---**

ANNEX 8 **A 61 F** **[Project-Rapporteur : 318/GB]** **<CE27176E>**

- N* *Note(s) after 13/00*
In this group, it is desirable to add the indexing codes of groups [101:00](#) to [105:00](#). The indexing codes should be unlinked.
 - 13/15 <Unchanged>
 - N* 13/45 • • *characterised by the shape (cup-shaped type tampons [13/24](#))*
 - N* *Note(s) after 13/45*
In groups [13/45](#) to [13/496](#), with the exception of groups [13/471](#) and [13/472](#), it is desirable to add the indexing codes of groups [111:00](#) and [113:00](#). The indexing codes should be unlinked.
 - D* 13/46-13/54 (*transferred to 13/45 - 13/53*)

- N 13/47 • • • • *Sanitary towels, incontinence pads or napkins (13/49 takes precedence)*
- N 13/471 • • • • *specially adapted for male use (13/474, 13/475 take precedence)*
- N 13/472 • • • • *specially adapted for female use (13/474, 13/475 take precedence)*
- N 13/474 • • • • *adjustable*
- N 13/475 • • • • *characterised by edge leakage prevention means*
- N 13/476 • • • • *characterised by encircling the crotch region of the undergarment, e.g. with flaps*
- N 13/49 • • • • *specially adapted to be worn around the waist, e.g. diapers, nappies*
- N 13/491 • • • • *specially adapted for gender distinct urine discharge pattern*
- N 13/493 • • • • *adjustable*
- N 13/494 • • • • *characterised by edge leakage prevention means*
- N 13/495 • • • • *with faecal cavity*
- N 13/496 • • • • *in the form of pants or briefs*
- N 13/497 • • • *with separable parts, e.g. combination of disposable and reusable parts (supporting or fastening means 13/56)*
- N 13/51 • • *characterised by the outer layers of the pads*
- N 13/511 • • • *Topsheet, i.e. the permeable cover or layer facing the skin*
- N 13/512 • • • • *characterised by its apertures, e.g. perforations*
- N 13/513 • • • • *having areas of different permeability*
- N 13/514 • • • *Backsheet, i.e. the impermeable cover or layer furthest from the skin*
- N 13/515 • • • *characterised by the interconnection of the topsheet and the backsheet*
- N 13/53 • • *characterised by the absorbing medium*
- N 13/531 • • • *having a homogeneous composition through the thickness of the pad (15/538, 15/539 take precedence)*

<i>N</i>	<i>13/532</i>	• • • • <i>inhomogeneous in the plane of the pad</i>
<i>N</i>	<i>13/533</i>	• • • • <i>having discontinuous areas of compression</i>
<i>N</i>	<i>13/534</i>	• • • <i>having an inhomogeneous composition through the thickness of the pad (15/538, 15/539 take precedence; homogeneous cores with tissue wrapping 13/531)</i>
<i>N</i>	<i>13/535</i>	• • • • <i>inhomogeneous in the plane of the pad, e.g. core absorbent layers being of different sizes (13/537 takes precedence)</i>
<i>N</i>	<i>13/536</i>	• • • • <i>having discontinuous areas of compression</i>
<i>N</i>	<i>13/537</i>	• • • <i>characterised by a layer facilitating or inhibiting flow in one direction or plane, e.g. a wicking layer</i>
<i>N</i>	<i>13/538</i>	• • • <i>characterised by specific fibre orientation or weave</i>
<i>N</i>	<i>13/539</i>	• • • <i>characterised by the connection of absorbent layers with each other or with the outer layers</i>
<i>N</i>	<i>13/551</i>	• • <i>Packages or wrapping arrangements for used pads, e.g. for disposal</i>
<i>N</i>	<i>13/84</i>	• • <i>Accessories, not otherwise provided for, for absorbent pads</i>
<i>N</i>	<i>Heading before 101:00</i>	<u><i>Indexing scheme associated with group 13/00, relating to properties of absorbent pads. The indexing codes should be unlinked.</i></u>
<i>N</i>	<i>Note(s) before 101:00</i>	<i>Attention is drawn to Chapter IV of the Guide which sets forth the rules concerning the application and presentation of the different types of indexing code.</i>
<i>N</i>	<i>101:00</i>	<i>Soluble or disintegratable in liquid</i>
<i>N</i>	<i>103:00</i>	<i>Compostable or biodegradable</i>
<i>N</i>	<i>105:00</i>	<i>Reusable</i>
<i>N</i>	<i>Heading before 111:00</i>	<u><i>Indexing scheme associated with groups 13/45 to 13/496, with the exception of groups 13/471 and 13/472, relating to the adaptation to the gender of the user. The indexing codes should be unlinked.</i></u>

*N Note(s)
before
111:00*

Attention is drawn to Chapter IV of the Guide which sets forth the rules concerning the application and presentation of the different types of indexing code.

N 111:00 Special adaptation for male use

N 113:00 Special adaptation for female use

ANNEX 8 **A 61 F** **[Project-Rapporteur : 320/GB]** **<CE27194E>**

5/44 • --- Colostomy devices (adhesives for colostomy devices
A 61 L 24/00; materials for colostomy devices A 61 L 28/00)

ANNEX 8 **A 61 F** **[Project-Rapporteur : 339/IE]** **<CE27121E>**

5/03 • • --- without pads (brassières A 41 C 3/00)

ANNEX 9 **A 61 H** **[Project-Rapporteur : 317/GB]** **<CE27009E>**

35/00 --- upward-spraying means A 47 K 3/26; devices for ---

ANNEX 10 **A 61 K** **[Project-Rapporteur : 319/GB]** **<CE27029E>**

Title --- of materials for deodorisation of air, for desinfection or
sterilisation, or for bandages, dressings, ---

ANNEX 11 **A 61 L** **[Project-Rapporteur : 319/GB]** **<CE27028E>**

*N Note(s)
before 2/00*

In groups 2/00 to 12/00, it is desirable to add the indexing codes of group 101:00. The indexing codes should be unlinked.

C 2/00 *--- than foodstuffs or contact lenses (for contact lenses 12/00; atomisers for disinfecting ---*

- 2/02*
 - using physical phenomena
- N 2/025*
 - • *Ultrasonics*
- N 2/03*
 - • *Electric current, e.g. electrolysis*
- 2/06*
 - • • *Hot gas*
- N 2/07*
 - • • • *Steam*
- 2/18*
 - • *Liquid substances*
- 2/20*
 - • *Gaseous substances, e.g. vapours*
- 2/22*
 - • *Phase substances, e.g. ---*
- N 2/23*
 - • *Solid substances, e.g. granules, powders, blocks, tablets*
- N 2/232*
 - • • *layered or coated*
- N 2/235*
 - • • *cellular, porous or foamed*
- N 2/238*
 - • • *Metals or alloys, e.g. oligodynamic metals*
- N 2/28*
 - • *Devices for testing the effectiveness or completeness of sterilisation, e.g. indicators which change colour (methods involving enzymes or micro-organisms C 12 Q 1/00; apparatus involving enzymes or micro-organisms C 12 M 1/34)*
- N 9/012*
 - • *characterised by being in a special form, e.g. gels, emulsions*
- N 9/013*
 - • *containing animal or plant extracts, or vegetable material*
- N 9/014*
 - • *containing sorbent material, e.g. activated carbon*
- N 9/05*
 - • • *specially adapted to be released by contact with a liquid, e.g. for toilets*
- N 12/00* ***Methods or apparatus for disinfecting or sterilising contact lenses; Accessories therefor***

- N 12/02
 - *using physical phenomena, e.g. electricity, ultrasonics or ultrafiltration*
- N 12/04
 - • *Heat (12/06 takes precedence)*
- N 12/06
 - • *Radiation, e.g. ultraviolet or microwaves*
- N 12/08
 - *using chemical substances*
- N 12/10
 - • *Halogens or compounds thereof*
- N 12/12
 - • *Non-macromolecular oxygen-containing compounds, e.g. hydrogen peroxide or ozone (12/10 takes precedence)*
- N 12/14
 - • *Organic compounds not covered by groups 12/10 or 12/12*
- N **Heading before 101:00**

Indexing scheme associated with groups 2/00 to 12/00, relating to the chemical composition of the materials used in disinfecting, sterilising or deodorising. The indexing codes should be unlinked.
- N **101:00**

Chemical composition of materials used in disinfecting, sterilising or deodorising
- N 101:02
 - *Inorganic materials*
- N 101:04
 - • *Elemental carbon, e.g. active charcoal*
- N 101:06
 - • *containing halogen*
- N 101:08
 - • • *Elemental halogen*
- N 101:10
 - • *Ozone*
- N 101:12
 - • *containing silicon*
- N 101:14
 - • *containing sulfur*
- N 101:16
 - • *containing phosphorus*
- N 101:18
 - • *Ammonia*
- N 101:20
 - • *Acids*
- N 101:22
 - • *Peroxides*
- N 101:24
 - • *containing aluminium*
- N 101:26
 - • *containing copper*
- N 101:28
 - • *containing iron*
- N 101:30
 - • *containing zinc*
- N 101:32
 - *Organic compounds*
- N 101:34
 - • *Hydroxy compounds*
- N 101:36
 - • *Carboxylic acids or derivatives thereof*

N 101:38 • • Ethers
N 101:40 • • containing sulfur
N 101:42 • • Organo-metallic compounds or complexes
N 101:44 • • Heterocyclic compounds
N 101:46 • • Macromolecular compounds
N 101:48 • • • obtained by reactions only involving carbon-to-carbon unsaturated bonds
N 101:50 • • • Polysaccharides or derivatives thereof
N 101:52 • Micro-organisms or substances produced by or extracted from micro-organisms
N 101:54 • Enzymes
N 101:56 • Plant extracts or vegetable products of undetermined chemical constitution, e.g. plant fibre

ANNEX 11 A 61 L [Project-Rapporteur : 320/GB] <CE27027E>

Subclass
index

	<== of refuse	11/00
<i>N</i>	<i>of contact lenses</i>	<i>12/00</i>
MATERIALS FOR ==>		
	<== surgical articles	31/00
	SURGICAL ADHESIVES, CEMENTS	24/00
<i>N</i>	<i>LIQUID BANDAGES</i>	<i>26/00</i>
<i>N</i>	<i>COLOSTOMY DEVICES</i>	<i>28/00</i>
ANTITHROMBOGENIC TREATMENT OF ==>		

**Guide
Heading
before 15/00** --- surgical sutures; Surgical adhesives or cements; Liquid
bandages; Materials for prostheses, catheters or colostomy devices

*N Note(s) after
17/00*

(1) *In groups 17/02 to 17/12, in the absence of an indication to the contrary, classification is made in the last appropriate place.*

(2) *When classifying in group 17/00, classification is also made in 33/00 if the materials used are antithrombogenic*

N 17/02 • *Non-resorbable materials*

N 17/04 • *At least partly resorbable materials*

N 17/06 • • *of animal origin, e.g. catgut, collagen*

N 17/08 • • *containing macromolecular materials*

N 17/10 • • • *Homopolymers or copolymers of glycolic or lactic acid*

N 17/12 • *Post-treatment to improve physical properties*

N 24/00 ***Surgical adhesives or cements; Adhesives for colostomy devices***

*N Note(s) after
24/00*

(1) *In groups 24/02 to 24/12, in the absence of an indication to the contrary, classification is made in the last appropriate place.*

(2) *When classifying in group 24/00, classification is also made in 33/00 if the materials used are antithrombogenic*

N 24/02 • *containing inorganic materials*

N 24/04 • *containing macromolecular materials*

N 24/06 • • *obtained by reactions only involving carbon-to-carbon unsaturated bonds*

N 24/08 • • *Polysaccharides*

N 24/10 • • *Polypeptides; Proteins*

N 24/12 • • *Ionomer cements, e.g. glass-ionomer cements*

D 25/00 (*transferred to 24/00, 26/00, 28/00*)

N 26/00 ***Liquid bandages (adhesive bandages, dressings or absorbent pads 15/16, A 61 F 13/00)***

N Note(s) after
26/00

When classifying in group 26/00, classification is also made in 33/00 if the materials used are antithrombogenic

N Note(s) after
27/00

- (1) *In groups 27/02 to 27/50, in the absence of an indication to the contrary, classification is made in the last appropriate place.*
- (2) *When classifying in groups 27/02 to 27/50, classification is also made in groups 27/52 to 27/60 if the use of materials characterised by their function or physical properties is of interest.*
- (3) *When classifying in group 27/00, classification is also made in 33/00 if the materials used are antithrombogenic*

N 27/02

• *Inorganic materials*

N 27/04

• • *Metals or alloys*

N 27/06

• • • *Titanium or titanium alloys*

N 27/08

• • *Carbon*

N 27/10

• • *Ceramics or glasses*

N 27/12

• • *Phosphorus-containing materials, e.g. apatite*

N 27/14

• *Macromolecular materials*

N 27/16

• • *obtained by reactions only involving carbon-to-carbon unsaturated bonds*

N 27/18

• • *obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds*

N 27/20

• • *Polysaccharides*

N 27/22

• • *Polypeptides or derivatives thereof*

N 27/24

• • • *Collagen*

N 27/26

• • *Mixtures of macromolecular materials*

N 27/28

• *Materials for coating prostheses*

N 27/30

• • *Inorganic materials*

N 27/32

• • • *Phosphorus-containing materials, e.g. apatite*

- N 27/34
 - • *Macromolecular materials*
- N 27/36
 - *containing ingredients of undetermined constitution or reaction products thereof*
- N 27/38
 - • *Animal cells (for use in artificial skin 27/60)*
- N 27/40
 - *Composite materials, i.e. layered or containing one material dispersed in a matrix of the same or different material*
- N 27/42
 - • *having an inorganic matrix*
- N 27/44
 - • *having a macromolecular matrix*
- N 27/46
 - • • *with phosphorus-containing inorganic fillers*
- N 27/48
 - • • *with macromolecular fillers*
- N 27/50
 - *Materials characterised by their function or physical properties*
- N 27/52
 - • *Hydrogels or hydrocolloids*
- N 27/54
 - • *Biologically active materials, e.g. therapeutic substances*
- N 27/56
 - • *Porous or cellular materials*
- N 27/58
 - • *Materials at least partially resorbable by the body*
- N 27/60
 - • *Materials for use in artificial skin*
- N 28/00
 - Materials for colostomy devices (adhesives for colostomy devices 24/00)***
- N *Note(s) after 28/00*

When classifying in group 28/00, classification is also made in 33/00 if the materials used are antithrombogenic

- N *Note(s) after 29/00*
 - (1) *In groups 29/02 to 29/12, in the absence of an indication to the contrary, classification is made in the last appropriate place.*
 - (2) *When classifying in groups 29/02 to 29/12, classification is also made in groups 29/14 to 29/18 if the use of materials characterised by their function or physical properties is of interest.*

	(3)	<p><i>When classifying in group 29/00, classification is also made in 33/00 if the materials used are antithrombogenic</i></p>
<i>N</i>	29/02	<ul style="list-style-type: none"><i>Inorganic materials</i>
<i>N</i>	29/04	<ul style="list-style-type: none"><i>Macromolecular materials</i>
<i>N</i>	29/06	<ul style="list-style-type: none"><ul style="list-style-type: none"><i>obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds</i>
<i>N</i>	29/08	<ul style="list-style-type: none"><i>Materials for coatings</i>
<i>N</i>	29/10	<ul style="list-style-type: none"><ul style="list-style-type: none"><i>Inorganic materials</i>
<i>N</i>	29/12	<ul style="list-style-type: none"><i>Composite materials, i.e. layered or containing one material dispersed in a matrix of the same or different material</i>
<i>N</i>	29/14	<ul style="list-style-type: none"><i>Materials characterised by their function or physical properties</i>
<i>N</i>	29/16	<ul style="list-style-type: none"><ul style="list-style-type: none"><i>Biologically active materials, e.g. therapeutic substances</i>
<i>N</i>	29/18	<ul style="list-style-type: none"><ul style="list-style-type: none"><i>Materials at least partially X-ray or laser opaque</i>
<i>N</i>	<i>Note(s) after 31/00</i>	
	(1)	<p><i>In groups 31/02 to 31/12, in the absence of an indication to the contrary, classification is made in the last appropriate place.</i></p>
	(2)	<p><i>When classifying in groups 31/02 to 31/12, classification is also made in groups 31/14 to 31/18 if the use of materials characterised by their function or physical properties is of interest.</i></p>
	(3)	<p><i>When classifying in group 31/00, classification is also made in 33/00 if the materials used are antithrombogenic</i></p>
<i>N</i>	31/02	<ul style="list-style-type: none"><i>Inorganic materials</i>
<i>N</i>	31/04	<ul style="list-style-type: none"><i>Macromolecular materials</i>
<i>N</i>	31/06	<ul style="list-style-type: none"><ul style="list-style-type: none"><i>obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds</i>
<i>N</i>	31/08	<ul style="list-style-type: none"><i>Materials for coatings</i>
<i>N</i>	31/10	<ul style="list-style-type: none"><ul style="list-style-type: none"><i>Macromolecular materials</i>

N 31/12 • Composite materials, i.e. layered or containing one material dispersed in a matrix of the same or different material

N 31/14 • Materials characterised by their function or physical properties

N 31/16 • • Biologically active materials, e.g. therapeutic substances

N 31/18 • • Materials at least partially X-ray or laser opaque

C 33/00 – – – catheters, prostheses, or of articles for – – – conditioning of blood; Materials for such treatment

N Note(s) after
33/00

In groups 33/02 to 33/18, in the absence of an indication to the contrary, classification is made in the last appropriate place.

N 33/02 • Use of inorganic materials

N 33/04 • Use of organic materials, e.g. acetylsalicylic acid

N 33/06 • Use of macromolecular materials

N 33/08 • • Polysaccharides

N 33/10 • • • Heparin, heparinoid or derivatives thereof

N 33/12 • • Polypeptides, proteins or derivatives thereof

N 33/14 • Use of fibrinolytic agents or platelet aggregation inhibitors

N 33/16 • Use of enzymes, e.g. urokinase, streptokinase

N 33/18 • Use of ingredients of underdetermined constitution or reaction products thereof

ANNEX 12 A 63 F [Project-Rapporteur : 274/GB] <CE27032E>

C 1/00 **Card games** (aspects of games using an electronically generated display having two or more dimensions showing representations related to the game 13/00)

C 3/00 – – – the players 9/14; aspects of games using an electronically generated display having two or more dimensions showing representations related to the game 13/00)

C	5/00	<i>Roulette games (aspects of games using an electronically generated display having two or more dimensions showing representations related to the game 13/00)</i>
C	7/00	<i>--- games 5/00; aspects of games using an electronically generated display having two or more dimensions showing representations related to the game 13/00; miniature bowling ---</i>
C	9/00	<i>Miscellaneous games (aspects of games using an electronically generated display having two or more dimensions showing representations related to the game 13/00; miscellaneous sporting games A 63 B 67/00)</i>
D	9/22	<i>(transferred to 13/00)</i>
N	13/00	<i>Aspects of games using an electronically generated display having two or more dimensions, e.g. on a television screen, showing representations related to the game (electric circuitry, <u>see the</u> relevant subclasses therefor)</i>
N	13/02	<ul style="list-style-type: none">Accessories (input or output arrangements for electrical digital computers G 06 F 3/00)
N	13/04	<ul style="list-style-type: none"><ul style="list-style-type: none">for aiming at specific areas on the display, e.g. with photodetecting means
N	13/06	<ul style="list-style-type: none"><ul style="list-style-type: none">using player-operated means for controlling the position of a specific area on the display
N	13/08	<ul style="list-style-type: none">Constructional details or arrangements, e.g. housing, wiring, connections, cabinets, not otherwise provided for
N	13/10	<ul style="list-style-type: none">Control of the course of the game, e.g. start, progress, end
N	13/12	<ul style="list-style-type: none">involving interaction between a plurality of game devices, e.g. transmission or distribution systems

ANNEX	13	B 05	[Project-Rapporteur : 260/EP]	<CE27159E>
Title	<i>--- general B 65 H; surface treatment of glass by coating C 03 C 17/00, 25/10; coating or impregnation of mortars, concrete, stone or ceramics C 04 B 41/45, 41/61, 41/81; paints, varnishes, ---</i>			

ANNEX	14	B 08 B	[Project-Rapporteur : 275/AT]	<CE27014E>
C	5/00		<i>--- gas flow (6/00, 9/00 take precedence)</i>	
N	9/023		<ul style="list-style-type: none"><i>Cleaning the external surfaces</i>	

- N* 9/027 • • *Cleaning the internal surfaces; Removal of blockages*
- D* 9/03 (*transferred to 9/027, 9/035, 9/053*)
- N* 9/032 • • • *by the mechanical action of a moving fluid, e.g. by flushing (9/04 takes precedence)*
- N* 9/035 • • • • *by suction*
- C* 9/04 • • • *using cleaning devices introduced into and moved along the pipes*
- N* 9/043 • • • • *moved by externally powered mechanical linkage, e.g. pushed or drawn through the pipes*
- N* 9/045 • • • • • *the cleaning devices being rotated while moved (9/047 takes precedence)*
- N* 9/047 • • • • • *the cleaning devices having motors for powering cleaning tools*
- N* 9/049 • • • • *having self-contained propelling means for moving the cleaning devices along the pipes*
- N* 9/051 • • • • • *the cleaning devices having motors for powering cleaning tools*
- N* 9/053 • • • • *moved along the pipes by a fluid, e.g. by fluid pressure or by suction*
- N* 9/055 • • • • • *the cleaning devices conforming to, or being conformable to, substantially the cross-section of the pipes, e.g. pigs or moles*
- N* 9/057 • • • • • *the cleaning devices being entrained discrete elements, e.g. balls, grinding elements, brushes*
- D* 9/06 (*transferred to 9/027*)

Note(s) after
the title

<== compacting used cars

N

B 62 D 67/00 *Systematic disassembly of vehicles for recovery of salvageable components, e.g. for recycling*

B 63 B 17/06 *Refuse discharge ==>*

<== from electric cables

N

H 01 J 9/52 *Recovery of material from discharge tubes or lamps*

H 01 M 6/52 Reclaiming serviceable ==>

ANNEX 16 **B 22 D** **[Project-Rapporteur : 286/RU]** **<CE27024E>**

19/14

- —— in form (making alloys containing fibres of filaments by contacting the fibres or filaments with molten metal *C 22 C 47/08*)

ANNEX 17 **B 23 K** **[Project-Rapporteur : 276/EP]** **<CE27013E>**

N 26/03

- • *Observing the workpiece*

N 26/067

- • • *Dividing the beam into multiple beams, e.g. multi-focusing*

N 26/073

- • • *Shaping the laser spot*

N 26/20

- *Bonding, e.g. welding (soldering by means of radiant energy *1/005*; joining of preformed plastics parts by heating using laser beam *B 29 C 65/16*)*

N 26/22

- • *Spot welding*

N 26/24

- • *Seam welding*

N 26/26

- • • *of rectilinear seams*

N 26/28

- • • *of curved planar seams*

N 26/30

- • • *of three-dimensional seams*

N 26/32

- • *taking account of the properties of the material involved*

N 26/34

- *Welding for purposes other than joining, e.g. build-up welding*

N 26/36

- *Removing material*

N 26/38

- • *by boring or cutting*

N 26/40

- • *taking account of the properties of the material involved*

N 26/42

- *Preliminary treatment; Auxiliary operations or equipment (*26/16* takes precedence)*

ANNEX 18 **B 23 P** **[Project-Rapporteur : 347/RU]** **<CE27017E>**

<i>C</i>	11/00	<i>Connecting or disconnecting metal parts or --- techniques, not otherwise provided for (connecting sheet --- profiles B 21 D 39/00; riveting B 21 J; soldering, unsoldering, welding B 23 K; hand tools ---</i>
	19/00	--- separating metal parts or objects, or metal and --- involving some deformation; Tools or ---
<i>N</i>	<i>19/027</i>	<ul style="list-style-type: none">• <i>using hydraulic or pneumatic means (19/033 takes precedence)</i>
<i>N</i>	<i>19/033</i>	<ul style="list-style-type: none">• <i>using vibration</i>

ANNEX 19 **B 25 J** **[Project-Rapporteur : 349/PT]** **<CE27114E>**

Title	--- MANIPULATION DEVICES (needle manipulators for surgery A 61 B 17/062 ; manipulators associated with rolling --- cranes B 66 C ; arrangements for handling fuel or other materials which are used within nuclear reactors G 21 C 19/00 ; structural combination of manipulators with cells or rooms shielded against radiation G 21 F 7/06)
<i>9/16</i>	<ul style="list-style-type: none">• Programme controls (total factory control, i.e. centrally controlling a plurality of machines, G 05 B 19/418)

ANNEX 20 **B 29 D** **[Project-Rapporteur : 351/GB]** **<CE27108E>**

<i>N</i>	<i>22/02</i>	<ul style="list-style-type: none"><i>Inflatable articles</i>
<i>N</i>	<i>22/04</i>	<ul style="list-style-type: none"><i>Spherical articles, e.g. balls (22/02 takes precedence)</i>

ANNEX 21 **B 60 H** **[Project-Rapporteur : 324/EP]** **<CE27111E>**

1/00	--- like B 60 J; heating or ventilating devices for vehicle seats B 60 N 2/56; vehicle window or windscreens ---
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ANNEX 22 **B 60 N** **[Project-Rapporteur : 324/EP]** **<CE27110E>**

	2/00	Seats specially adapted for vehicles; Arrangement or mounting of seats in vehicles (for ---)
N	2/005	• <i>Arrangement or mounting of seats in vehicles (2/02 takes precedence)</i>
N	2/01	• • <i>Arrangement of seats relative to one another</i>
N	2/015	• • • <i>Attaching seats directly to vehicle chassis</i>
N	2/07	• • • • <i>Slide construction</i>
N	2/075	• • • • • <i>roller-less</i>
N	2/225	• • • <i>by cycloidal or planetary mechanisms</i>
N	2/23	• • • <i>by linear screw mechanisms</i>
N	2/235	• • • <i>by gear-pawl type mechanisms</i>
N	2/39	• • • <i>Seats tilttable to compensate for roll inclination of vehicles</i>
N	2/427	• • • <i>Seats or parts thereof displaced during a crash</i>
N	2/433	• • • <i>Safety locks for back-rests, e.g. with locking bars activated by inertia</i>
N	2/56	• • <i>Heating or ventilating devices</i>
N	2/58	• • <i>Seat coverings</i>
N	2/60	• • • <i>Removable protective coverings</i>
N	2/62	• • <i>Thigh-rests</i>
N	2/64	• • <i>Back-rests</i>
N	2/66	• • • <i>Lumbar supports</i>
N	2/68	• • <i>Seat frames, e.g. for the back-rest</i>
N	2/70	• • <i>Upholstery springs</i>
N	2/72	• • • <i>Attachment or adjustment thereof</i>

ANNEX 23 **B 62 D** **[Project-Rapporteur : 259/GB]** **<CE27005E>**

1/18 • • • yieldable or adjustable, e.g. tilttable (padded ---

*N Note(s) after
1/18*

*Group 1/181 takes precedence over groups 1/183 to
1/187.*

N 1/181 • • • • with power actuated adjustment, e.g. with position memory

N 1/183 • • • • adjustable between in-use and out-of-use positions, e.g. to improve access

N 1/184 • • • • Mechanisms for locking columns at selected positions

N 1/185 • • • • adjustable by axial displacement, e.g. telescopically (1/183, 1/187, 1/19 take precedence)

N 1/187 • • • • with tilt adjustment; with tilt and axial adjustment (1/183, 1/19 take precedence)

N 1/189 • • • • • the entire steering column being tilttable as a unit

ANNEX 23 **B 62 D** **[Project-Rapporteur : 356/GB]** **<CE27113E>**

N 5/065 • • characterised by specially adapted means for varying pressurised fluid supply based on need, e.g. on-demand, variable assist

ANNEX 24 **B 65 D** **[Project-Rapporteur : 318/GB]** **<CE27188E>**

Title *--- equipment A 47 J; packages or wrapping arrangements for used absorbent pads A 61 F 13/551; associated with ---*

ANNEX 25 **B 81** **[Project-Rapporteur : 384/SE]** **<CE27160E>**

*N Subsection
title before
class B 81*

MICRO-STRUCTURAL TECHNOLOGY; NANO-TECHNOLOGY

<i>N</i>	Title	MICRO-STRUCTURAL TECHNOLOGY
<i>N</i>	<i>Note(s) after the title</i>	
	(1)	<i>This class <u>covers</u> micro-structural devices or systems, including at least one essential element or formation characterised by its very small size, typically within the range of 10^{-4} to 10^{-7} meters, i.e. its significant features can not, in at least one dimension, be completely discerned without the use of an optical microscope.</i>
	(2)	<i>In this class, the following expressions are used with the meaning indicated:</i> <ul style="list-style-type: none">– <i>"micro-structural devices" covers:</i><ul style="list-style-type: none">(i) <i>micro-mechanical devices comprising movable, flexible or deformable elements; and</i>(ii) <i>three-dimensional structures without movable, flexible or deformable elements, comprising microformations designed to accomplish an essential structural function for interacting with their environment, as opposed to purely electronic or chemical functions, regardless of whether the structures are combined with micro-electronic devices or formed from specific materials;</i>– <i>"micro-structural systems" covers:</i><ul style="list-style-type: none">(i) <i>systems of cooperating micro-structural devices; and</i>(ii) <i>micro-electro-mechanical or micro-opto-mechanical systems, which combine on a common substrate the specific features of micro-structural devices and electrical or optical components, e.g. for controlling, analysing or signalling the functioning of micro-structural devices.</i>

ANNEX 26 **B 81 B** **[Project-Rapporteur : 384/SE]** **<CE27161E>**

N Title ***MICRO-STRUCTURAL DEVICES OR SYSTEMS, e.g. MICRO-MECHANICAL DEVICES*** (piezo-electric, electrostrictive or magnetostrictive elements *per se* ***H 01 L 41/00***)

*N Note(s) after
the title*

(1) *This subclass does not cover:*

- *purely electrical or electronic devices per se which are covered by section H, e.g. subclass ***H 01 L***;*
- *purely optical devices per se which are covered by subclasses ***G 02 B*** or ***G 02 F***;*
- *essentially two-dimensional structures, e.g. layered products which are covered by subclass ***B 32 B***;*
- *chemical or biological structures per se which are covered by section C;*
- *structures in atomic scale produced by manipulation of single atoms or molecules, which are covered by group ***B 82 B 1/00***.*

(2) *Devices or systems classified in this subclass are also classified in appropriate subclasses providing for their structural or functional features, if such features are of interest.*

(3) *Attention is drawn to the following places:*

A 61 K 9/50 *Microcapsules for medicinal preparations*

B 25 J 7/00 *Micromanipulators*

G 02 B 21/32 *Micromanipulators combined with microscopes*

G 11 B 5/127 *Magnetic heads*

H 01 P 3/08 *Waveguide microstrips*

N 1/00 *Devices without movable or flexible elements, e.g. micro-capillary devices*

N **3/00** *Devices comprising flexible or deformable elements, e.g. comprising elastic tongues or membranes* ([5/00](#) takes precedence)

N **5/00** *Devices comprising elements which are movable in relation to each other, e.g. comprising slidable or rotatable elements*

N **7/00** *Micro-structural systems*

N **7/02** • *containing distinct electrical or optical devices of particular relevance for their function, e.g. micro-electro-mechanical systems (MEMS)* ([7/04](#) takes precedence)

N **7/04** • *Networks or arrays of similar micro-structural devices*

ANNEX 27 **B 81 C** **[Project-Rapporteur : 384/SE]** **<CE27164E>**

N **Title** ***PROCESSES OR APPARATUS SPECIALLY ADAPTED FOR THE MANUFACTURE OR TREATMENT OF MICRO-STRUCTURAL DEVICES OR SYSTEMS** (making microcapsules or microballoons [B 01 J 13/02](#); processes or apparatus peculiar to the manufacture or treatment of piezo-electric, electrostrictive or magnetostrictive elements per se [H 01 L 41/22](#))*

N **Note(s) after the title**
This subclass does not cover:

- *processes or apparatus for the manufacture or treatment of purely electrical or electronic devices, which are covered by section H, e.g. group [H 01 L 21/00](#);*
- *processes or apparatus involving the manipulation of single atoms or molecules, which are covered by group [B 82 B 3/00](#).*

N **1/00** ***Manufacture or treatment of devices or systems in or on a substrate*** ([3/00](#) takes precedence)

N **3/00** ***Assembling of devices or systems from individually processed components***

N **5/00** ***Processes or apparatus not provided for in groups [1/00](#) or [3/00](#)***

ANNEX 28 **B 82** **[Project-Rapporteur : 384/SE]** **<CE27162E>**

N **Title** ***NANO-TECHNOLOGY***

ANNEX 29 **B 82 B** **[Project-Rapporteur : 384/SE]** **<CE27163E>**

N **Title** ***NANO-STRUCTURES; MANUFACTURE OR TREATMENT THEREOF***

N **Note(s) after the title**

(1) *This subclass does not cover chemical or biological structures *per se*, specifically provided for elsewhere, e.g. in classes C 08 or C 12.*

(2) *In this subclass, the following term is used with the meaning indicated:*

"Nano-structure" means an atomically precise arrangement of matter having particularly shaped configuration including at least one essential integral element that:

(i) is formed solely from an atom, a molecule or an extremely limited collection of atoms or molecules, which collection in its entirety is undetectable by an optical microscope; and

(ii) has been formed by having its atoms or molecules individually manipulated as discrete units during its manufacture.

(3) *Nano-structures having specialised features directly related to their size, defined in Note (2), are classified in this subclass regardless of method of manufacture. However, these structures are also classified in appropriate places provided for their structural or functional features, if such features are of interest.*

(4) *Attention is drawn to the following places:*

A 61 K 9/51 *Nanocapsules for medicinal preparations*

G 01 N 13/10 *Investigating or analysing surface structures in atomic ranges using scanning-probe techniques*

G 12 B 21/00 *Details of apparatus using scanning-probe techniques*

N **1/00** *Nano-structures*

N **3/00** *Manufacture or treatment of nano-structures*

ANNEX 30 **C 02 F** **[Project-Rapporteur : 281/EP]** **<CE27019E>**

Title *— radioactively-contaminated liquids* **G 21 F 9/04**

Note(s) after
the title

N (1) *Processes using enzymes —*

(2) In this subclass, it is desirable to add the indexing codes of group 101:00. The indexing codes should be linked.

N (3) *In this subclass, it is desirable to add the indexing codes of group 103:00. The indexing codes should be unlinked.*

1/00-1/56 <Changed to classification symbol and indexing code>

1/66-7/00 <Changed to classification symbol and indexing code>

9/00 **Multistep treatment of —**

Note(s) after
9/00

(1) *— where the essential characteristic resides in the combination of treatment steps.*

(2) *This group does not cover treatments where the essential characteristic resides in an individual step of the treatment, which treatments are covered by groups 1/00 to 7/00. An example of such treatments is a treatment in which the essential characteristic resides in a chemical treatment step and in which the one or more other steps, such as filtration or settlement, are conventional.*

<i>N</i>	(3)	<i>In this group, in the absence of an indication to the contrary, classification is made in the last appropriate place.</i>
<i>N</i>	(4)	<i>In this group, it is desirable to add the indexing codes relating to individual steps of the multistep treatment. The indexing codes, which are chosen from groups 1/00 to 1/56 or 1/66 to 7/00 have the same numbers as the classification symbols, but a colon is used instead of the oblique stroke, and should be linked.</i>
<i>N</i>	(5)	<i>Attention is drawn to Chapter IV of the Guide which sets forth the rules concerning the application and presentation of the different types of indexing code.</i>
<i>N</i>	9/02	<ul style="list-style-type: none"><i>involving a separation step</i>
<i>N</i>	9/04	<ul style="list-style-type: none"><i>at least one step being a chemical treatment</i>
<i>N</i>	9/06	<ul style="list-style-type: none"><ul style="list-style-type: none"><i>Electrochemical treatment</i>
<i>N</i>	9/08	<ul style="list-style-type: none"><i>at least one step being a physical treatment</i>
<i>N</i>	9/10	<ul style="list-style-type: none"><ul style="list-style-type: none"><i>Thermal treatment</i>
<i>N</i>	9/12	<ul style="list-style-type: none"><ul style="list-style-type: none"><i>Irradiation or treatment with electric or magnetic fields</i>
<i>N</i>	9/14	<ul style="list-style-type: none"><i>at least one step being a biological treatment</i>
<i>N</i>	Heading before 101:00	<u><i>Indexing scheme associated with groups 1/00 to 11/00 relating to the nature of the contaminant in the water, waste water, sewage or sludge. The indexing codes should be linked.</i></u>
<i>N</i>	Note(s) before 101:00	<i>Attention is drawn to Chapter IV of the Guide which sets forth the rules concerning the application and presentation of the different types of indexing code.</i>
<i>N</i>	101:00	<i>Nature of the contaminant</i>
<i>N</i>	101:11	<ul style="list-style-type: none"><i>Inorganic compounds</i>
<i>N</i>	101:13	<ul style="list-style-type: none"><ul style="list-style-type: none"><i>Halogens or halogen-containing compounds</i>
<i>N</i>	101:15	<ul style="list-style-type: none"><ul style="list-style-type: none"><ul style="list-style-type: none"><i>Fluorine or fluorine-containing compounds</i>
<i>N</i>	101:17	<ul style="list-style-type: none"><ul style="list-style-type: none"><ul style="list-style-type: none"><i>Nitrogen compounds, e.g. ammonia</i>
<i>N</i>	101:19	<ul style="list-style-type: none"><ul style="list-style-type: none"><ul style="list-style-type: none"><i>Cyanides</i>
<i>N</i>	101:21	<ul style="list-style-type: none"><ul style="list-style-type: none"><ul style="list-style-type: none"><i>Heavy metals or heavy metal compounds</i>

N 101:23 • • • *Chromium or chromium compounds, e.g. chromates*

N 101:31 • *Organic compounds*

N 101:33 • • *Hydrocarbons, e.g. oil*

N 101:35 • • *containing oxygen*

N 101:37 • • *containing halogens*

N 101:39 • • *containing nitrogen*

N **Heading before 103:00** **Indexing scheme associated with groups 1/00 to 11/00, relating to the nature of the water, waste water, sewage or sludge to be treated. The indexing codes should be unlinked.**

N **Note(s) before 103:00**

Attention is drawn to Chapter IV of the Guide which sets forth the rules concerning the application and presentation of the different types of indexing code.

N **103:00** ***Nature of the water, waste water, sewage or sludge to be treated***

N 103:01 • *Non-contaminated water, e.g. for industrial water supply*

N 103:03 • • *for obtaining pure or ultra-pure water*

N 103:05 • *Contaminated groundwater or leachate*

N 103:07 • *Seawater, e.g. for desalination*

N 103:09 • *from quarries or from mining activities*

N 103:11 • *from the silicate or ceramic industries, e.g. waste waters from cement or glass factories*

N 103:21 • *from the chemical industry*

N 103:23 • • *from the manufacture of organic compounds*

N 103:25 • • • *Polymers*

N 103:25 • • *from the manufacture or use of photosensitive materials*

N 103:31 • *Paint wastes*

N 103:33 • *from metallurgical processes, i.e. from the production, refining or treatment of metals, e.g. galvanic wastes*

N 103:35 • *from the wet purification of gaseous effluents*

N 103:37 • *from the processing of animals, e.g. poultry, fish, or parts thereof*

N 103:39 • • from tanneries
N 103:41 • from the processing of plants or parts thereof
N 103:43 • • from the paper or cellulose industry
N 103:45 • from the textile industry
N 103:47 • from the food or foodstuff industry, e.g. brewery waste waters
N 103:49 • from bathing facilities, e.g. swimming pools
N 103:51 • from vehicle washing facilities

ANNEX 31 **C 03 B** **[Project-Rapporteur : 260/EP]** **<CE27182E>**

37/018 <Unchanged>

ANNEX 32 **C 03 C** **[Project-Rapporteur : 260/EP]** **<CE27021E>**

Note(s)
before 15/00

— — in mortars, concrete or artificial stone is classified
— — —

15/00 **Surface treatment of glass, not in the form of fibres or filaments, by etching** (etching or surface-brightening compositions, — — —)

17/00 **— — — devitrified glass, not in the form of fibres or filaments, by coating** — — —

19/00 **Surface treatment of glass, not in the form of fibres or filaments, by mechanical** — — —

21/00 **Treatment of glass, not in the form of fibres or filaments, by diffusing ions or metals into the surface**

23/00 **— — — of fibres or filaments**

D 25/02-25/04 (*transferred to 25/10*)

D 25/06 (*transferred to 25/875*)

N 25/10 • *by coating*

N 25/11 • • *General methods for coating; Devices therefor*

N 25/12 • • • *Spraying*

N 25/15 • • • *Dipping*

<i>N</i>	25/155	• • • using extrusion devices
<i>N</i>	25/16	• • • Contacting the fibres with applicators, e.g. rolls
<i>N</i>	25/17	• • • Deposition from the vapour phase
<i>N</i>	<i>Note(s) after 25/17</i>	
	(1)	<i>In groups 25/205 to 25/46, in the absence of an indication to the contrary, classification is made in the last appropriate place.</i>
	(2)	<i>In groups 25/205 to 25/385, it is desirable to add the indexing codes relating to the individual constituents of the composition. The indexing codes, which are chosen from groups 25/205 to 25/385, have the same numbers as the classification symbols, but <u>a colon is used instead of the oblique stroke and should be linked</u>.</i>
	(3)	<i>Attention is drawn to Chapter IV of the Guide which sets forth the rules concerning the application and presentation of the different types of indexing code.</i>
<i>N</i>	25/205	• • Coatings containing organic materials
<i>N</i>	25/215	• • • Macromolecular compounds or prepolymers
<i>N</i>	25/235	• • • • obtained by reactions involving only carbon-to-carbon unsaturated bonds, e.g. acrylic resins
<i>N</i>	25/245	• • • • • Polyolefins
<i>N</i>	25/275	• • • • obtained otherwise than by reactions involving only carbon-to-carbon unsaturated bonds
<i>N</i>	25/285	• • • • • Condensation polymers of aldehydes, e.g. with phenols, ureas, melamine, amides or amines
<i>N</i>	25/305	• • • • • Epoxy resins
<i>N</i>	25/345	• • • Organo-metal or organo-silicon compounds
<i>N</i>	25/355	• • • • Organo-silicon compounds
<i>N</i>	25/365	• • Coatings containing inorganic materials
<i>N</i>	25/375	• • • Carbon, e.g. graphite

<i>N</i>	25/385	• • • <i>Metals</i>
<i>N</i>	25/40	• • <i>with two or more coatings having different compositions</i>
<i>N</i>	<i>Note(s) after 25/40</i>	<i>If one or more of the individual coatings are of interest, classification is also made in one or more of groups 25/205 to 25/385, in accordance with the notes after group 25/17.</i>
<i>N</i>	25/42	• • • <i>Organic coatings only</i>
<i>N</i>	25/44	• • • <i>Inorganic coatings only</i>
<i>N</i>	25/46	• • • <i>Combinations of one or more organic with one or more inorganic coatings</i>
<i>N</i>	25/70	• <i>by diffusing ions or metals into the surface</i>
<i>N</i>	25/80	• <i>by application of electric or wave energy or particle radiation, or by ion implantation (for drying or dehydration 25/85)</i>
<i>N</i>	25/85	• <i>Drying; Dehydration; Dehydroxylation</i>
<i>N</i>	25/87	• <i>Chemical treatment, e.g. leaching, acid or alkali treatment (dehydroxylation 25/85)</i>
<i>N</i>	25/875	• • <i>by etching</i>
<i>N</i>	25/88	• <i>Cleaning, e.g. for reuse (25/80 to 25/87 take precedence)</i>

ANNEX 33 C 07 C [Project-Rapporteur : 359/EP] <CE27135E>

<i>N</i>	7/171	• • • <i>Sulfuric acid or oleum</i>
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ANNEX 34 C 08 K [Project-Rapporteur : 328/EP] <CE27130E>

<i>N</i>	5/1513	• • • <i>having one oxygen atom in the ring</i>
<i>N</i>	5/1517	• • • • <i>Three-membered rings</i>
<i>N</i>	5/1533	• • • • <i>Four-membered rings</i>
<i>N</i>	5/1537	• • • • <i>Five-membered rings</i>
<i>N</i>	5/1553	• • • • • <i>Cyclic anhydrides</i>

<i>N</i>	5/1557	• • • • <i>Six-membered rings</i>
<i>N</i>	5/1573	• • • <i>having two oxygen atoms in the ring</i>
<i>N</i>	5/1577	• • • • <i>Five-membered rings</i>
<i>N</i>	5/1593	• • • • <i>Six-membered rings</i>
<i>N</i>	5/1597	• • • <i>having more than two oxygen atoms in the ring</i>

ANNEX	34	C 08 K	[Project-Rapporteur : 329/EP]	<CE27129E>
<i>N</i>	5/5413	• • <i>containing oxygen</i>		
<i>N</i>	5/5417	• • • <i>containing at least one Si-O bond</i>		
<i>N</i>	5/5433	• • • • <i>containing at least one SI-C bond</i>		
<i>N</i>	5/5435	• • • <i>containing at least one C=C bond</i>		
<i>N</i>	5/5437	• • • <i>containing oxygen in a ring</i>		
<i>N</i>	5/5453	• • <i>containing nitrogen</i>		
<i>N</i>	5/5457	• • • <i>containing at least one SI-N bond</i>		
<i>N</i>	5/5473	• • • <i>containing at least one  group</i>		
<i>N</i>	5/5475	• • • <i>containing at least one C=N bond</i>		
<i>N</i>	5/5477	• • • <i>containing at least one C≡N bond</i>		
<i>N</i>	5/5493	• • <i>containing sulfur</i>		
<i>N</i>	5/5997	• • <i>containing silicon in a ring</i>		

ANNEX	34	C 08 K	[Project-Rapporteur : 360/RU]	<CE27133E>
<i>C</i>	5/37	• • <i>Thiols</i>		
<i>C</i>	5/372	• • <i>Sulfides</i>		
<i>C</i>	5/375	<Delete 1 dot>		
<i>C</i>	5/378	<Delete 1 dot>		

ANNEX 35 C 11 D [Project-Rapporteur : 319/GB] <CE27030E>

Title --- hair [A 61 K 7/075](#); methods or apparatus for desinfection or sterilisation [A 61 L](#); special washing ---

ANNEX 36 C 22 C [Project-Rapporteur : 286/RU] <CE27018E>

Guide Heading before 1/00 --- amorphous alloys [45/00](#); alloys containing fibres or filaments [47/00, 49/00](#)

1/04 • by powder metallurgy ([1/08](#) takes precedence)

1/05 • • --- non-metallic powder ([1/08](#) takes precedence)

D 1/09 (transferred to [47/00, 49/00](#))

32/00 --- weight of oxides, carbides, borides, nitrides, silicides or ---

Guide Heading before 33/00 **Ferrous alloys, i.e. alloys based on iron** (alloys containing --- alloys [45/00](#); alloys containing fibres or filaments [47/00, 49/00](#); heat treatment ---)

N Guide Heading before 47/00 **Alloys containing fibres or filaments**

N Note(s) before 47/00

In groups [47/00](#) and [49/00](#), it is desirable to add the indexing codes of groups [101:00, 111:00](#) and [121:00](#). The indexing codes should be unlinked.

N 47/00 Making alloys containing metallic or non-metallic fibres or filaments

N 47/02 • Pretreatment of the fibres or filaments

N 47/04 • • by coating, e.g. with a protective or activated covering

N 47/06 • • by forming the fibres or filaments into a preformed structure, e.g. using a temporary binder to form a mat-like element

N 47/08 • by contacting the fibres or filaments with molten metal, e.g. by infiltrating the fibres or filaments placed in a mould

N	47/10	<ul style="list-style-type: none">• <i>Infiltration in the presence of a reactive atmosphere; Reactive infiltration</i>
N	47/12	<ul style="list-style-type: none">• <i>Infiltration or casting under mechanical pressure</i>
N	47/14	<ul style="list-style-type: none">• <i>by powder metallurgy, i.e. by processing mixtures of metal powder and fibres or filaments</i>
N	47/16	<ul style="list-style-type: none">• <i>by thermal spraying of the metal, e.g. plasma spraying</i>
N	47/18	<ul style="list-style-type: none">• <i>using a preformed structure of fibres or filaments</i>
N	47/20	<ul style="list-style-type: none">• <i>by subjecting to pressure and heat an assembly comprising at least one metal layer or sheet and one layer of fibres or filaments</i>
N	49/00	<i>Alloys containing metallic or non-metallic fibres or filaments</i>
N	49/02	<ul style="list-style-type: none">• <i>characterised by the matrix material</i>
N	49/04	<ul style="list-style-type: none">• <i>Light metals</i>
N	49/06	<ul style="list-style-type: none">• <i>Aluminium</i>
N	49/08	<ul style="list-style-type: none">• <i>Iron group metals</i>
N	49/10	<ul style="list-style-type: none">• <i>Refractory metals</i>
N	49/11	<ul style="list-style-type: none">• <i>Titanium</i>
N	49/12	<ul style="list-style-type: none">• <i>Intermetallic matrix material</i>
N	49/14	<ul style="list-style-type: none">• <i>characterised by the fibres or filaments</i>
N	Heading before 101:00	<u>Indexing scheme associated with groups 47/00 and 49/00, relating to the nature of the fibrous materials contained in metal-fibrous composites. The indexing codes should be unlinked.</u>
N	<i>Note(s) before 101:00</i>	

Attention is drawn to Chapter IV of the Guide which sets forth the rules concerning the application and presentation of the different types of indexing code.

N	101:00	<i>Non-metallic fibres of filaments</i>
N	101:02	<ul style="list-style-type: none">• <i>based on oxides, e.g. oxide ceramic fibres</i>
N	101:04	<ul style="list-style-type: none">• <i>Aluminium oxide</i>
N	101:06	<ul style="list-style-type: none">• <i>Mixed oxides, e.g. aluminium silicate or glass</i>
N	101:08	<ul style="list-style-type: none">• <i>based on non-oxides, e.g. non-oxide ceramic fibres</i>
N	101:10	<ul style="list-style-type: none">• <i>Carbon</i>

<i>N</i>	<i>101:12</i>	• • <i>Carbides</i>
<i>N</i>	<i>101:14</i>	• • • <i>Silicon carbide</i>
<i>N</i>	<i>101:16</i>	• • <i>Nitrides</i>
<i>N</i>	<i>101:18</i>	• • • <i>Silicon nitride</i>
<i>N</i>	<i>101:20</i>	• • <i>Boron</i>
<i>N</i>	<i>101:22</i>	• • <i>Borides</i>
<i>N</i>	<i>111:00</i>	<i>Metallic fibres or filaments</i>
<i>N</i>	<i>111:02</i>	• <i>Refractory metal fibres or filaments, e.g. tungsten fibres</i>
<i>N</i>	<i>121:00</i>	<i>Pretreated fibres or filaments</i>
<i>N</i>	<i>121:02</i>	• <i>Coated fibres or filaments, e.g. ceramic fibres with protective coatings</i>

ANNEX 37 **C 23 C** **[Project-Rapporteur : 286/RU]** **<CE27025E>**

4/00 --- guns **B 05 B**; making alloys containing fibres or filaments by thermal spraying of metal **C 22 C 47/16**; plasma guns **H 05 H**)

ANNEX 37 **C 23 C** **[Project-Rapporteur : 287/EP]** **<CE27023E>**

	16/00	--- coating, i.e. chemical vapour deposition (CVD) processes (reactive ---
<i>N</i>	<i>16/01</i>	• <i>on temporary substrates, e.g. on substrates subsequently removed by etching</i>
	<i>16/14</i>	• • • --- other metal element
<i>N</i>	<i>16/27</i>	• • • <i>Diamond only</i>
	<i>16/28</i>	• • --- other non-metal element
<i>N</i>	<i>16/442</i>	• • <i>using fluidised bed processes</i>
<i>N</i>	<i>16/448</i>	• • <i>characterised by the method used for generating reactive gas streams, e.g. by evaporation or sublimation of precursor materials</i>
<i>N</i>	<i>16/452</i>	• • • <i>by activating reactive gas streams before introduction into the reaction chamber, e.g. by ionization or by addition of reactive species</i>

N 16/453 • • *passing the reaction gases through burners or torches, e.g. atmospheric pressure CVD (16/513 takes precedence; for flame or plasma spraying of coating material in the molten state 4/00)*

N 16/455 • • *characterised by the method used for introducing gases into the reaction chamber or for modifying gas flows in the reaction chamber*

N 16/458 • • *characterised by the method used for supporting substrates in the reaction chamber*

16/46 • • characterised by the method used for heating the ---

N 16/503 • • • *using dc or ac discharges*

N 16/505 • • • *using radio frequency discharges*

N 16/507 • • • • *using external electrodes, e.g. in tunnel type reactors*

N 16/509 • • • • *using internal electrodes*

N 16/511 • • • *using microwave discharges*

N 16/513 • • • *using plasma jets*

N 16/515 • • • *using pulsed discharges*

N 16/517 • • • *using a combination of discharges covered by two or more of groups 16/503 to 16/515*

ANNEX	38	C 25 B [Project-Rapporteur : 288/EP]	<CE27026E>
C	9/00	<i>Cells or assemblies of cells; Constructional parts of cells; Assemblies of constructional parts, e.g. electrode-diaphragm assemblies</i>	
N	9/06	• <i>Cells comprising dimensionally-stable non-movable electrodes; Assemblies of constructional parts thereof</i>	
N	9/08	• • <i>with diaphragms</i>	
N	9/10	• • • <i>including an ion-exchange membrane in or on which electrode material is embedded</i>	
N	9/12	• <i>Cells or assemblies of cells comprising at least one movable electrode, e.g. rotary electrodes; Assemblies of constructional parts thereof</i>	
N	9/14	• • <i>Liquid electrodes, e.g. mercury electrodes</i>	

<i>N</i>	<i>9/16</i>	• <i>Cells or assemblies of cells comprising at least one electrode made of particles; Assemblies of constructional parts thereof</i>
<i>N</i>	<i>9/18</i>	• <i>Assemblies comprising a plurality of cells (assemblies of cells with movable electrodes <i>9/12</i>; assemblies of cells with electrodes made of particles <i>9/16</i>)</i>
<i>N</i>	<i>9/20</i>	• • <i>of the filter-press type</i>
<i>D</i>	<i>11/20</i>	(transferred to <i>9/10</i>)
	13/00	--- Spacing elements

ANNEX 39	D 06 H	[Project-Rapporteur : 292/EP]	<CE27035E>
	3/00	--- of textile materials <i>G 01 N</i> , e.g. investigating the presence of flaws, defects or contamination using optical means <i>21/88</i>)	

ANNEX 40	D 06 L	[Project-Rapporteur : 364/RU]	<CE27131E>
	1/22	<Unchanged>	
<i>N</i>	<i>3/11</i>	• <i>using enzymes</i>	

ANNEX 41	D 06 P	[Project-Rapporteur : 330/RU]	<CE27112E>
	Title	--- see <i>B 41 F, J, D 06 B, C</i> ; printing on ---	
<i>N</i>	<i>1/81</i>	• <i>using dyes dissolved in inorganic solvents</i>	
<i>N</i>	<i>1/92</i>	• • <i>in organic solvents</i>	
<i>N</i>	<i>1/94</i>	• <i>using dyes dissolved in solvents which are in the supercritical state</i>	
<i>N</i>	<i>1/96</i>	• <i>Dyeing characterised by a short bath ratio</i>	
<i>N</i>	<i>5/24</i>	• <i>Transfer printing (transfer printing apparatus for textile material <i>B 41 F 16/02</i>)</i>	
<i>N</i>	<i>5/26</i>	• • <i>Heat transfer printing</i>	

N 5/28 • • • using subliming dyes
N 5/30 • Ink jet printing (ink jet printing apparatus [B 41 J 2/00](#))

ANNEX 42 E 01 B [Project-Rapporteur : 365/DE] <CE27126E>

C 25/08 • -- load-bearing rail ([25/30](#) takes precedence)
N 25/30 • Tracks for magnetic suspension or levitation vehicles
N 25/32 • • Stators, guide rails or slide rails
N 25/34 • • Switches; Frogs; Crossings

ANNEX 43 E 03 C [Project-Rapporteur : 317/GB] <CE27010E>

1/01 • for combinations of baths, showers, sinks, wash-basins, -- --

ANNEX 44 E 03 D [Project-Rapporteur : 317/GB] <CE27011E>

9/08 • -- devices (showers [A 47 K 3/28](#); bathing devices -- --

ANNEX 45 E 05 D [Project-Rapporteur : 306/GB] <CE27012E>

N 3/12 • • with two parallel pins and one arm ([3/08](#) takes precedence)
N 3/14 • • with four parallel pins and two arms ([3/08](#) takes precedence)
N 3/16 • • with seven parallel pins and four arms ([3/08](#) takes precedence)
N 3/18 • • with sliding pins or guides ([3/08](#) takes precedence)

ANNEX 46 F 01 N [Project-Rapporteur : 331/EP] <CE27015E>

7/00 -- -- [1/00](#) to [5/00](#), [9/00](#), [11/00](#)
*N 11/00 **Monitoring or diagnostic devices for exhaust-gas treatment apparatus***

ANNEX 47 **F 04 B** **[Project-Rapporteur : 384/SE]** **<CE27046E>**

Note(s) after
the title

N (2) *Attention is drawn to the Notes following the titles of class **B 81** and subclass **B 81 B** relating to "micro-structural devices" and "micro-structural systems".*
 (3) <Former note (2)>

ANNEX 48 **F 15 C** **[Project-Rapporteur : 384/SE]** **<CE27047E>**

*N Note(s) after
the title*

*Attention is drawn to the Notes following the titles of class **B 81** and subclass **B 81 B** relating to "micro-structural devices" and "micro-structural systems".*

ANNEX 49 **F 16 H** **[Project-Rapporteur : 370/DE]** **<CE27125E>**

55/48 • • • --- part of non-metallic material, e.g. plastics (55/38, 55/42,

ANNEX 50 **F 16 K** **[Project-Rapporteur : 384/SE]** **<CE27048E>**

Note(s) after
the title

N (1) *Attention is drawn to the Notes following the titles of class **B 81** and subclass **B 81 B** relating to "micro-structural devices" and "micro-structural systems".*
 (2) Attention is drawn ---

ANNEX 51 F 16 L [Project-Rapporteur : 275/AT] <CE27107E>

55/00 *— — of pipes B 08 B 9/02, e.g. removal of blockages 9/027; devices for
— — —*

ANNEX 52 F 21 V [Project-Rapporteur : 28/DE] <CE27186E>

C 17/02	<ul style="list-style-type: none"><i>with provision for adjustment (17/04 to 17/08 take precedence; changing the characteristics or distribution of the light emitted by adjustment of parts 14/00)</i>
17/04	<ul style="list-style-type: none"><i>onto or — —</i>
17/06	<ul style="list-style-type: none"><i>onto or — — —</i>
N 17/08	<ul style="list-style-type: none"><i>onto the supporting or suspending arrangements of the lighting device, e.g. power cords, standards</i>
N 17/10	<ul style="list-style-type: none"><i>characterised by specific fastening means or way of fastening (17/02 to 17/08 take precedence)</i>
N 17/12	<ul style="list-style-type: none"><ul style="list-style-type: none"><i>by screwing</i>
N 17/14	<ul style="list-style-type: none"><ul style="list-style-type: none"><i>Bayonet-type fastening</i>
N 17/16	<ul style="list-style-type: none"><ul style="list-style-type: none"><i>by deformation of parts of the lighting device; Snap action mounting</i>
N 17/18	<ul style="list-style-type: none"><ul style="list-style-type: none"><i>Latch-type fastening, e.g. with rotary action</i>
N 17/20	<ul style="list-style-type: none"><ul style="list-style-type: none"><i>by toggle-action levers</i>

ANNEX 53 F 23 N [Project-Rapporteur : 372/SE] <CE27122E>

Title **REGULATING OR CONTROLLING COMBUSTION** (control devices specially adapted for fluidised bed combustion apparatus F 23 C 10/28; condition responsive controls for regulating combustion in domestic stoves with open fires for solid fuel F 24 B 1/187)

ANNEX 54 **F 24 B** **[Project-Rapporteur : 372/SE]** **<CE27123E>**

1/04 • • --- tiles (1/08, 1/16 take precedence)
1/187 • • • --- air supply F 23 L)

ANNEX 55 **G 01** **[Project-Rapporteur : 384/SE]** **<CE27049E>**

Note(s) after
the title

N (3) *Attention is drawn to the Notes following the titles of class B 81 and subclass B 81 B relating to "micro-structural devices" and "micro-structural systems" and the Notes following the title of subclass B 82 B relating to "nano-structures".*
(4) <Former note (3)>
(5) <Former note (4)>
(6) <Former note (5)>

ANNEX 56 **G 01 N** **[Project-Rapporteur : 292/EP]** **<CE27034E>**

21/00 --- measuring instruments G 02 B; image analysis by data processing G 06 T)
21/88 • • Investigating the presence of flaws, defects or contamination
C 21/89 • • • --- *textiles (21/90, 21/91, 21/94 take precedence)*
N 21/892 • • • • *characterised by the flaw, defect or object feature examined*
N 21/894 • • • • *Pinholes*
N 21/896 • • • • *Optical defects in or on transparent materials, e.g. distortion, surface flaws*
N 21/898 • • • • *Irregularities in textured or patterned surfaces, e.g. textiles, wood*
N 21/93 • • • *Detection standards; Calibrating*
N 21/94 • • • *Investigating contamination, e.g. dust (21/85 takes precedence)*

<i>N</i>	<i>21/95</i>	• • • • <i>characterised by the material or shape of the object to be examined (21/89 to 21/91, 21/94 take precedence)</i>
<i>N</i>	<i>21/952</i>	• • • • <i>Inspecting the exterior surface of cylindrical bodies or wires (21/956 takes precedence)</i>
<i>N</i>	<i>21/954</i>	• • • • <i>Inspecting the inner surface of hollow bodies, e.g. bores</i>
<i>N</i>	<i>21/956</i>	• • • • <i>Inspecting patterns on the surface of objects (contactless testing of electronic circuits G 01 R 31/308; testing currency G 07 D)</i>
<i>N</i>	<i>21/958</i>	• • • • <i>Inspecting transparent materials</i>

ANNEX 56 **G 01 N** **[Project-Rapporteur : 319/GB]** **<CE27192E>**

31/00 *--- the subgroups (testing the effectiveness or completeness of sterilisation procedures without using enzymes or microorganisms A 61 L 2/28; measuring or testing processes ---*

ANNEX 56 **G 01 N** **[Project-Rapporteur : 374/GB]** **<CE27140E>**

21/00 *--- take precedence; measuring stress ---*

N *Note(s) after 21/00*

This group does not cover the investigation of spectral properties of light per se, or measurements of the properties of materials where spectral properties of light are sensed and primary emphasis is placed on creating, detecting or analysing the spectrum providing that the properties of the materials to be investigated are of minor importance (see also Note (4) after the title of class G 01). Those subjects are covered by group G 01 J 3/00.

ANNEX 57 G 02 B [Project-Rapporteur : 384/SE] <CE27050E>

Note(s) after
the title

N (1) In this subclass, — — —

N (2) *Attention is drawn to the Notes following the titles of class B 81 and subclass B 81 B relating to "micro-structural devices" and "micro-structural systems".*

ANNEX 58 G 02 C [Project-Rapporteur : 319/GB] <CE27031E>

7/04	<ul style="list-style-type: none">• • --- the eyes (disinfection or sterilisation of contact lenses A 61 L 12/00)
13/00	--- Repairing; Cleaning (disinfection or sterilisation of contact lenses A 61 L 12/00)

ANNEX 59 G 03 H [Project-Rapporteur : 298/EP] <CE27146E>

Title — — G 06 K 19/16; holographic storage G 11 B 7/0065,
G 11 C 13/04)

ANNEX 60 G 05 G [Project-Rapporteur : 274/GB] <CE27033E>

Note(s) after
the title

<== adjusting operating chairs

<i>N</i>	<i>A 63 F 13/02</i>	<i>Accessories for games using an electronically generated display</i>
	B 25 J	Manipulators, e.g. ==>

ANNEX 60 G 05 G [Project-Rapporteur : 334/GB] <CE27016E>

1/00 Controlling members, e.g. knobs, handles; Assemblies or ---

C	1/02	<ul style="list-style-type: none">• <i>Controlling members for hand-actuation by linear movement, e.g. push buttons</i>
C	1/04	<ul style="list-style-type: none">• <i>Controlling members for hand-actuation by pivoting movement, e.g. levers</i>
C	1/06	<ul style="list-style-type: none">• • <i>— grip parts</i>
C	1/08	<ul style="list-style-type: none">• <i>Controlling members for hand-actuation by rotary movement, e.g. hand wheels</i>
	1/10	<ul style="list-style-type: none">• • Details, e.g. of discs, knobs, wheels or handles
	1/12	<Unchanged>
	1/14	<Unchanged>
	1/24	<ul style="list-style-type: none">• Arrangement of a ---

ANNEX 61 **G 06 K** **[Project-Rapporteur : 274/GB]** **<CE27144E>**

11/18	<ul style="list-style-type: none">• • <i>— mouse, tracing-ball (accessories for games using an electronically generated display A 63 F 13/02)</i>
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ANNEX 61 **G 06 K** **[Project-Rapporteur : 301/GB]** **<CE27045E>**

19/067	<ul style="list-style-type: none">• • <i>— identity cards (using a coded card to authorise calls from a telephone set H 04 M 1/675)</i>
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ANNEX 62 **G 08 B** **[Project-Rapporteur : 296/EP]** **<CE27040E>**

	21/00	— or abnormal condition and not otherwise provided for
N	21/02	<ul style="list-style-type: none">• <i>Alarms for ensuring the safety of persons</i>
N	21/04	<ul style="list-style-type: none">• • <i>responsive to non-activity, e.g. of elderly persons (21/06 takes precedence)</i>
N	21/06	<ul style="list-style-type: none">• • <i>indicating a condition of sleep, e.g. anti-dozing alarms (safety devices for propulsion-unit control of vehicles responsive to incapacity of driver B 60 K 28/06)</i>
N	21/08	<ul style="list-style-type: none">• • <i>responsive to the presence of persons in a body of water, e.g. a swimming pool; responsive to an abnormal condition of a body of water</i>

<i>N</i>	<i>21/10</i>	• • <i>responsive to calamitous events, e.g. tornados, earthquakes (seismology G 01 V 1/00; indicating weather conditions G 01 W 1/00)</i>
<i>N</i>	<i>21/12</i>	• • <i>responsive to undesired emission of substances, e.g. pollution alarms (alarms on pipe-lines F 17 D 3/01)</i>
<i>N</i>	<i>21/14</i>	• • • <i>Toxic gas alarms (21/16 takes precedence)</i>
<i>N</i>	<i>21/16</i>	• • • <i>Combustible gas alarms</i>
<i>N</i>	<i>21/18</i>	• <i>Status alarms (21/02 takes precedence)</i>
<i>N</i>	<i>21/20</i>	• • <i>responsive to moisture</i>
<i>N</i>	<i>21/22</i>	• • <i>responsive to presence or absence of persons</i>
<i>N</i>	<i>21/24</i>	• • <i>Reminder alarms, e.g. anti-loss alarms (devices to prevent loss of bags or the like A 45 C 13/24)</i>

ANNEX	63	G 09 F	[Project-Rapporteur : 310/EP]	<CE27147E>
<i>N</i>	<i>9/302</i>	• • <i>characterised by the form or geometrical disposition of the individual elements</i>		
<i>N</i>	<i>9/305</i>	• • <i>being the ends of optical fibres (9/302 takes precedence)</i>		
<i>C</i>	<i>9/307</i>	• • <i>being incandescent filaments (9/302 takes precedence; incandescent panels comprising ---</i>		
<i>C</i>	<i>9/313</i>	• • <i>being gas discharge devices (9/302 takes precedence; gas discharge panels comprising ---</i>		
<i>C</i>	<i>9/33</i>	• • <i>--- e.g. diodes (9/302 takes precedence; semiconductor integrated circuits ---</i>		
<i>C</i>	<i>9/35</i>	• • <i>being liquid crystals (9/302 takes precedence; liquid crystal materials C 09 K 19/00)</i>		
<i>C</i>	<i>9/37</i>	• • <i>being movable elements (9/302 takes precedence)</i>		
<i>D</i>	<i>9/38</i>	<i>(transferred to 9/305, covered by 9/30)</i>		

ANNEX	63	G 09 F	[Project-Rapporteur : 384/SE]	<CE27051E>
Note(s) after the title				
		(1)	In this subclass, ---	

N (2) *Attention is drawn to the Notes following the titles of class B 81 and subclass B 81 B relating to "micro-structural devices" and "micro-structural systems".*

ANNEX	64	G 09 G	[Project-Rapporteur : 297/EP]	<CE27036E>
C	5/22		<ul style="list-style-type: none">• <i>-- display of individual characters or indicia using -- the characters or indicia with a character-code memory (5/42 takes precedence)</i>	
C	5/36		<ul style="list-style-type: none">• <i>-- display of individual graphic patterns using a bit-mapped memory (5/42 takes precedence)</i>	
N	5/37		<ul style="list-style-type: none">• <i>Details of the operation on graphic patterns (5/38 takes precedence)</i>	
N	5/373		<ul style="list-style-type: none">• <i>• for modifying the size of the graphic pattern</i>	
N	5/377		<ul style="list-style-type: none">• <i>• for mixing or overlaying two or more graphic patterns (5/02, 5/397 take precedence)</i>	
N	5/39		<ul style="list-style-type: none">• <i>Control of the bit-mapped memory</i>	
N	5/391		<ul style="list-style-type: none">• <i>• Resolution modifying circuits, e.g. variable screen formats</i>	
N	5/393		<ul style="list-style-type: none">• <i>• Arrangements for updating the contents of the bit-mapped memory</i>	
N	5/395		<ul style="list-style-type: none">• <i>• Arrangements specially adapted for transferring the contents of the bit-mapped memory to the screen (5/399 takes precedence)</i>	
N	5/397		<ul style="list-style-type: none">• <i>• • Arrangements specially adapted for transferring the contents of two or more bit-mapped memories to the screen simultaneously, e.g. for mixing or overlay (5/02 takes precedence)</i>	
N	5/399		<ul style="list-style-type: none">• <i>• • using two or more bit-mapped memories, the operations of which are switched in time, e.g. ping-pong buffers</i>	
N	5/42		<ul style="list-style-type: none"><i>characterised by the display of patterns using a display memory without fixed position correspondence between the display memory contents and the display position on the screen</i>	

ANNEX	65	G 11 B	[Project-Rapporteur : 298/EP]	<CE27038E>
C	7/00		<i>-- by optical means, e.g. recording using a thermal beam of optical radiation, reproducing using an optical beam at lower power; Record carriers therefor (11/00, 13/00 take precedence)</i>	
N	7/002		<ul style="list-style-type: none">Recording, reproducing or erasing systems characterised by the shape of the carrier	
N	7/0025		<ul style="list-style-type: none">with cylinders or cylinder-like carriers, e.g. truncated cones	
N	7/003		<ul style="list-style-type: none">with webs, e.g. belts, spooled tapes or films of quasi-infinite extent	
N	7/0033		<ul style="list-style-type: none">with cards	
N	7/0037		<ul style="list-style-type: none">with discs	
N	7/004		<ul style="list-style-type: none">Recording, reproducing or erasing methods; Read, write or erase circuits therefor	
N	7/0045		<ul style="list-style-type: none">Recording (7/006, 7/0065 take precedence)	
N	7/005		<ul style="list-style-type: none">Reproducing (7/0065 takes precedence)	
N	7/0055		<ul style="list-style-type: none">Erasing (7/006, 7/0065 take precedence)	
N	7/006		<ul style="list-style-type: none">Overwriting (7/0065 takes precedence)	
N	7/0065		<ul style="list-style-type: none">Recording, reproducing or erasing by using optical interference patterns, e.g. holograms	
N	7/30		<ul style="list-style-type: none">Rewritable carriers (7/24 takes precedence)	

ANNEX	65	G 11 B	[Project-Rapporteur : 300/GB]	<CE27042E>
C	31/00		<i>-- or projectors G 03 B 31/00; substation equipment for recording telephonic conversations or messages for absent subscribers H 04 M 1/65)</i>	

ANNEX	65	G 11 B	[Project-Rapporteur : 384/SE]	<CE27184E>
		Note(s) after the title	(2)	<== the meanings indicated:

N

- *"record carrier" means a body, such a cylinder, disc, card, tape, or wire, capable of permanently holding information, which can be read-off by a sensing element movable relatively to the record carrier;*

- *"head" includes any ==>*

N

- *"near-field interaction" means a very short distance interaction using scanning-probe techniques, e.g. quasi or evanescent contact between head and record carrier.*

N

(3)

*Attention is drawn to the Notes following the titles of class **B 81** and subclass **B 81 B** relating to "micro-structural devices" and "micro-structural systems".*

ANNEX 66

G 12 B

[Project-Rapporteur : 384/SE]

<CE27151E>

*N Note(s) after
21/00*

(1)

In this group the following expression is used with the meaning indicated:

- *"probe" means an interfacing device, e.g. a needle with a sharp tip, defining a transducing zone where an interaction, e.g. generation of a tunnelling current when in close proximity to a surface, is supported.*

(2)

*Attention is drawn to the Notes following the titles of class **B 81** and subclass **B 81 B** relating to "micro-structural devices" and "micro-structural systems" and the Notes following the title of subclass **B 82 B** relating to "nano-structures".*

(3)

The following is a list of places where specific applications using scanning-probe techniques are provided for:

<i>B 82 B 3/00</i>	<i>Manufacture or treatment of nano-structures</i>
<i>C 23 C</i>	<i>Surface treatment of metallic material</i>
<i>G 01 B</i>	<i>Dimensional measurement</i>
<i>G 01 N 13/10</i>	<i>Investigating or analysing surface structures in atomic ranges</i>
<i>G 11 B 9/12,</i>	
<i>G 11 B 11/24,</i>	
<i>G 11 B 13/08</i>	<i>Recording or reproducing information</i>
<i>H 01 J 37/00</i>	<i>Discharge tubes with provision for introducing objects or material to be exposed to the discharge</i>
<i>H 01 L</i>	<i>Processes or apparatus adapted for the treatment of semiconductors or solid state devices</i>

ANNEX 67 H 01 [Project-Rapporteur : 384/SE] <CE27052E>

Note(s) after
the title

N (1) Processes involving only ---

N (2) *Attention is drawn to the Notes following the titles of class B 81 and subclass B 81 B relating to "micro-structural devices" and "micro-structural systems".*

ANNEX 68 H 01 H [Project-Rapporteur : 379/GB] <CE27143E>

N 13/702 • • *with contacts carried by or formed from layers in a multilayer structure, e.g. membrane switches*

N 13/705 • • • *Construction, mounting or arrangement of push-buttons or other operating parts*

N 13/708 • • • *in which all fixed and movable contacts are carried by insulating members (13/705 takes precedence)*

N 13/712 • • • • *all of the insulating members being substantially flat*

N 13/715 • • • *in which each contact set includes a contact which is not secured to or part of a supporting layer, e.g. a snap dome (13/705 takes precedence)*

N 13/718 • • • *in which some or all of the movable contacts are formed in a single conductive plate, e.g. formed by punching sheet metal (13/705 takes precedence)*

ANNEX 68 H 01 H [Project-Rapporteur : 381/GB] **<CE27139E>**

N 33/662 • • • *Housings or protective screens*

N 33/664 • • • *Contacts; Arc-extinguishing means, e.g. arcing rings*

N 33/666 • • • *Operating arrangements*

N 33/668 • • • *Means for obtaining or monitoring the vacuum*

ANNEX 68 H 01 H [Project-Rapporteur : 384/SE] **<CE27058E>**

11/00 --- **electric switches** (processes or apparatus specially adapted for the manufacture or treatment of micro-structural devices or systems, e.g. in combination with electrical devices, **B 81 C**)

ANNEX 69 H 01 J [Project-Rapporteur : 333/GB] **<CE27149E>**

49/00 **Particle spectrometers or separator** ---

49/26 • --- these tubes **B 01 D 59/44**; mass spectrometers specially adapted for column chromatography **G 01 N 30/72**)

ANNEX 69 H 01 J [Project-Rapporteur : 383/DE] **<CE27142E>**

9/00 --- specially adapted for the manufacture --- from glass **C 03 B**); Recovery of material from discharge tubes or lamps

C 9/50 • *-- defective discharge tubes, lamps or their salvageable components*

N 9/52 • *Recovery of material from discharge tubes or lamps (9/50 takes precedence)*

ANNEX 70 H 01 L [Project-Rapporteur : 384/SE] <CE27057E>

C 27/20 • *-- including magnetostrictive components*

ANNEX 71 H 02 K [Project-Rapporteur : 384/SE] <CE27053E>

Note(s) after
the title

N (3) *Attention is drawn to the Notes following the titles of class B 81 and subclass B 81 B relating to "micro-structural devices" and "micro-structural systems".*

ANNEX 72 H 02 N [Project-Rapporteur : 384/SE] <CE27054E>

Note(s) after
the title

N (2) *Attention is drawn to the Notes following the titles of class B 81 and subclass B 81 B relating to "micro-structural devices" and "micro-structural systems".*

(3) <Former note (2)>

ANNEX 73 H 03 H [Project-Rapporteur : 384/SE] <CE27055E>

Note(s) after
the title

N (3) *Attention is drawn to the Notes following the titles of class B 81 and subclass B 81 B relating to "micro-structural devices" and "micro-structural systems".*

(4) <Former note (3)>

ANNEX	74	H 04 M [Project-Rapporteur : 299/EP]	<CE27039E>
C	1/00	<i>-- use by subscribers (subscriber services or facilities provided at exchanges 3/00; prepayment telephone coin -- supply arrangements 19/08; keyboard switches --</i>	
N	1/215	<i>• • by non-intrusive coupling means, e.g. acoustic couplers</i>	
N	1/247	<i>• Telephone sets including user guidance or feature selection means facilitating their use</i>	
N	1/253	<i>• Telephone sets using digital voice transmission (simultaneous speech and data transmission 11/06)</i>	
N	1/738	<i>• Interface circuits for coupling substations to external telephone lines (1/78 takes precedence)</i>	
	1/74-1/76	<Add 1 dot>	
N	1/80	<i>• Telephone line holding circuits</i>	
N	1/82	<i>• Line monitoring circuits for call progress or status discrimination</i>	
C	3/58	<i>• -- third party (substation line holding circuits 1/80)</i>	

ANNEX	74	H 04 M [Project-Rapporteur : 300/GB]	<CE27041E>
C	1/64	<i>• -- for absent subscribers; Arrangements for recording conversations (centralised dictation --</i>	
C	1/65	<i>• • Recording arrangements</i>	
N	1/652	<i>• • • Means for playing back the recorded messages by remote control over a telephone line (1/658 takes precedence)</i>	
N	1/654	<i>• • • Telephone line monitoring circuits therefor, e.g. ring detectors</i>	
N	1/656	<i>• • • for recording conversations</i>	
N	1/658	<i>• • • Means for redirecting recorded messages to other extensions or equipment</i>	

ANNEX	74	H 04 M	[Project-Rapporteur : 301/GB]	<CE27044E>
C	1/26		<ul style="list-style-type: none">• -- a subscriber (1/66 takes precedence; coding in connection --–	
D	1/36		(transferred to 1/677)	
C	1/66		<ul style="list-style-type: none">• -- <i>fraudulent calling (verifying user identity or authority in secret or secure digital communications H 04 L 9/32)</i>	
N	1/663		<ul style="list-style-type: none">• • <i>Preventing unauthorised calls to a telephone set</i>	
N	1/665		<ul style="list-style-type: none">• • • <i>by checking the validity of a code</i>	
N	1/667		<ul style="list-style-type: none">• • <i>Preventing unauthorised calls from a telephone set (1/677 takes precedence)</i>	
N	1/67		<ul style="list-style-type: none">• • • <i>by electronic means</i>	
N	1/673		<ul style="list-style-type: none">• • • • <i>the user being required to key in a code</i>	
N	1/675		<ul style="list-style-type: none">• • • • <i>the user being required to insert a coded card, e.g. a smart card carrying an integrated circuit chip</i>	
N	1/677		<ul style="list-style-type: none">• • <i>Preventing the dialling or sending of predetermined telephone numbers or selected types of telephone numbers, e.g. long distance</i>	
C	17/00		<i>Prepayment telephone systems</i> (<i>using a coded card to authorise calls from a telephone set 1/675</i>)	

ANNEX	74	H 04 M	[Project-Rapporteur : 302/GB]	<CE27043E>
C	1/72		<ul style="list-style-type: none">• <i>Substation extension arrangements; Cordless telephones, i.e. devices for establishing wireless links to base stations without route selecting</i>	
N	1/723		<ul style="list-style-type: none">• • <i>using two or more extensions per line (1/725 takes precedence)</i>	
N	1/725		<ul style="list-style-type: none">• • <i>Cordless telephones</i>	
N	1/727		<ul style="list-style-type: none">• • • <i>Identification code transfer arrangements</i>	
N	1/73		<ul style="list-style-type: none">• • • <i>Battery saving arrangements</i>	
N	1/733		<ul style="list-style-type: none">• • • <i>with a plurality of base stations connected to a plurality of lines</i>	

N 1/737 • • • *characterised by transmission of electromagnetic waves other than radio waves, e.g. infrared*

C 19/08 • --- *at substation (battery saving arrangements for cordless telephones 1/73; generating ringing current 19/04)*

ANNEX	74	H 04 M [Project-Rapporteur : 303/GB]	<CE27152E>
	3/42	• Systems providing special services or facilities to subscribers	
N	3/424	• • <i>Arrangements for automatic redialling (at the subscriber's set 1/27)</i>	
N	3/428	• • <i>Arrangements for placing incoming calls on hold</i>	
N	3/432	• • <i>Arrangements for calling a subscriber at a specific time, e.g. morning call service</i>	
N	3/436	• • <i>Arrangements for screening incoming calls</i>	
C	3/44	• • --- <i>to frequently-wanted subscribers, e.g. abbreviated dialling (at the subscriber's set 1/27; automatic redialling 3/424)</i>	
N	3/487	• • <i>Arrangements for providing information services, e.g. recorded voice services, time announcement</i>	
N	3/493	• • • <i>Interactive information services, e.g. directory enquiries</i>	
C	3/50	• • --- <i>for absent or busy subscribers (3/487 takes precedence; centralised dictation systems 11/10)</i>	
N	3/51	• • • <i>Centralised call answering arrangements requiring operator intervention</i>	
	3/52	• • • • <i>Arrangements for routing dead number calls to operators</i>	
N	3/523	• • • • <i>with call distribution or queuing</i>	
N	3/527	• • • <i>Centralised call answering arrangements not requiring operator intervention</i>	
N	3/53	• • • <i>Centralised arrangements for recording incoming messages</i>	
N	3/533	• • • • <i>Voice mail systems</i>	
N	3/537	• • • • <i>Arrangements for indicating the presence of a recorded message</i>	
C	3/56	• • --- <i>conference facilities (video conference systems H 04 N 7/15)</i>	

ANNEX 74 **H 04 M** **[Project-Rapporteur : 313/GB]** **<CE27148E>**

N 1/2745 • • • • using static electronic memories, i.e. memories whose operation does not require relative movement between storage means and a transducer, e.g. chip

N 1/275 • • • • implemented by means of portable electronic directories

N 1/2755 • • • • • whose contents are provided by optical scanning

ANNEX 75 **H 04 R** **[Project-Rapporteur : 384/SE]** **<CE27056E>**

Note(s) after
the title

(1) This subclass covers:

*N (2) Attention is drawn to the Notes following the titles of class **B 81** and subclass **B 81 B** relating to "micro-structural devices" and "micro-structural systems".*

31/00 **--- diaphragms therefor** (processes or apparatus specially adapted for the manufacture of micro-structural devices or systems, e.g. in combination with electrical devices, **B 81 C**)

[End of Technical Annexes and of document]