

WIPO



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WORLD INTELLECTUAL PROPERTY ORGANIZATION

GENEVA

SPECIAL UNION FOR THE INTERNATIONAL PATENT CLASSIFICATION  
(IPC UNION)

COMMITTEE OF EXPERTS

Thirty-First Session  
Geneva, February 25 to March 1, 2002

PROPOSED AMENDMENTS TO THE IPC

*Document prepared by the International Bureau*

1. The amendments to the IPC contained in the Technical Annexes to this document have been approved by the IPC Revision Working Group, at its second to sixth sessions, and are herewith submitted to the Committee of Experts for adoption. These amendments concern the following IPC subclasses:

<u>Area</u>	<u>Annex</u>	<u>Project</u>	<u>Area</u>	<u>Annex</u>	<u>Project</u>
A 61 B	1	341	E 04 G	15	367
A 61 K	2	341	E 06 C	16	367
A 61 L	3	341	F 16 B	17	366
A 61 N	4	341	G 01 M	18	419
B 02 C	5	346	G 06 F	19	406
B 29 B	6	346	G 11 C	20	406
B 60 R	7	354	G 21 B	21	421
B 61 L	8	389	G 21 C	22	421
B 65 G	9	358, 408	H 01 B	23	407
B 66 D	10	367	H 01 L	24	408, 423
B 66 F	11	367	H 01 S	25	423
C 09 J	12	341	H 05 B	26	423
E 03 C	13	346	H 05 H	27	421
E 04 F	14	366			

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

Project	Class or subclass affected	Approved amendments contained in Annex .. to document IPC/WG/-											
		6/5		5/3		4/5		3/3		2/3		1/2	
		E	F	E	F	E	F	E	F	E	F	E	F
341	A 61 B				2	2E	2F	18					
	A 61 K				3	3E	3F	19					
	A 61 L						4	20					
	A 61 N					5E, E	5F	21					
	C 09 J						6	22					
346	B 02 C					7E	7F	30					
	B 29 B					8E, E	8F	31					
	E 03 C			4E, E	4F	9							
354	B 60 R			5E, E	5F, E	10E, E	10F	35					
358	B 65 G				7	12E, E	12F			30			
366	E 04 F	10E, E	10F, E	11E, E	11F	18							
	F 16 B				12	19							
367	B 66 D			13E	13F								
	B 66 F			14E	14F								
	E 04 G		11	15E, E	15F	20							
	E 06 C		12	16									
389	B 61 L		18	23									
406	G 06 F						28	51					
	G 11 C			24E, E	24F	29E	29F	52					
407	H 01 B				25	30E	30F	53					
408	B 65 G		19	26									
	H 01 L		20	27									
419	G 01 M		41	33E	33F	53E, E	53F	60					
421	G 21 B			34E, E	34F	54, E		61					
	G 21 C				35			62					
	H 05 H				36	55							

Project	Class or subclass affected	Approved amendments contained in Annex .. to document IPC/WG/-											
		6/5		5/3		4/5		3/3		2/3		1/2	
		E	F	E	F	E	F	E	F	E	F	E	F
423	H 01 L	44E, E	44F	39, E		56							
	H 01 S		45	40		57							
	H 05 B		46	41, E		58							

3. *The Committee of Experts is invited to adopt the amendments to the IPC proposed in Technical Annexes 1 to 27 to this document.*

[Technical Annexes follow]

## TECHNICAL ANNEXES

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ANNEX	1	A 61 B	[Project-Rapporteur : 341/AT]	<CE31030E>
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	5/04		<ul style="list-style-type: none"> <li>• – – – parts thereof (electrically conductive preparations for use in therapy or testing <u>in vivo</u> <a href="#">A 61 K 50/00</a>)</li> </ul>	
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N    *Heading  
after 18/00*

Informative note

*References listed below indicate IPC places which could also be of interest when carrying out a search in respect of the subject matter covered by the preceding group:*

*Electrically conductive preparations for use in therapy or testing in vivo, e.g. conductive adhesives or gels to be used with electrodes, [A 61 K 50/00](#).*

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ANNEX	2	A 61 K	[Project-Rapporteur : 341/AT]	<CE31023E>
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	50/00		<p><i>Electrically conductive preparations for use in therapy or testing <u>in vivo</u>, e.g. conductive adhesives or gels to be used with electrodes for electrocardiography (ECG) or for transcutaneous drug administration</i></p>	
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N    *Note(s) after  
50/00*

Informative notes

*References listed below indicate IPC places which could also be of interest when carrying out a search in respect of the subject matter covered by the preceding group:*

*Electrodes specially adapted for electrocardiography  
[A 61 B 5/0408](#)*

*Electrodes specially adapted for foetal cardiography  
[A 61 B 5/0448](#)*

*Electrodes specially adapted for  
electroencephalography [A 61 B 5/0478](#)*

*Electrodes specially adapted for electromyography  
[A 61 B 5/0492](#)*

*Electrodes for electrotherapy [A 61 N 1/04](#).*

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ANNEX	3	A 61 L	[Project-Rapporteur : 341/AT]	<CE31031E>
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	15/58		<ul style="list-style-type: none"> <li>• • • Adhesives (electrically conductive adhesives for use in therapy or testing <u>in vivo</u> <a href="#">A 61 K 50/00</a>)</li> </ul>	
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**24/00** – – – **colostomy devices** (electrically conductive adhesives for use in therapy or testing in vivo [A 61 K 50/00](#))

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**ANNEX 4**      **A 61 N**      **[Project-Rapporteur : 341/AT]**      **<CE31024E>**

**1/00** – – – irradiation apparatus [5/00](#); electrically conductive preparations for use in therapy or testing in vivo [A 61 K 50/00](#))

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**ANNEX 5**      **B 02 C**      **[Project-Rapporteur : 346/AT]**      **<CE31002E>**

- D 18/40*      (*covered by [18/00](#) - [18/38](#)*)
- D 18/42*      (*covered by [18/00](#), [E 03 C 1/266](#)*)
- D 18/44*      (*transferred to [B 29 B 17/04](#), covered by [18/00](#)*)
- D 19/12*      (*covered by [19/00](#)*)
- D 19/14*      (*covered by [19/00](#)*)

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**ANNEX 6**      **B 29 B**      **[Project-Rapporteur : 346/AT]**      **<CE31003E>**

- N 17/04*      • *Disintegrating plastics ([9/02](#), [11/02](#), [13/10](#) take precedence)*

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**ANNEX 7**      **B 60 R**      **[Project-Rapporteur : 354/DE]**      **<CE31007E>**

- N 21/013*      • • *including means for detecting collisions, impending collisions or roll-over*
- N 21/0132*      • • • *responsive to vehicle motion parameters*
- N 21/0134*      • • • *responsive to imminent contact with an obstacle*
- N 21/0136*      • • • *responsive to actual contact with an obstacle*
- N 21/015*      • • *including means for detecting the presence or position of passengers, passenger seats or child seats, e.g. for disabling triggering*
- N 21/017*      • • *including arrangements for providing electric power to the safety arrangements*

- C 21/20      • • • *Arrangements for storing inflatable members in their non-use or deflated condition; Arrangement or mounting of air bag modules or components*
- N 21/203      • • • • *in steering wheels or steering columns*
- N 21/205      • • • • *in dashboards*
- N 21/207      • • • • *in vehicle seats*
- N 21/210      • • • • *in vehicle side panels, e.g. doors or pillars*
- N 21/213      • • • • *in vehicle roofs, e.g. in roof frames*
- N 21/215      • • • • *characterised by the covers for the inflatable member*
- N 21/217      • • • • *Inflation fluid source retainers, e.g. reaction canisters; Connection of bags, diffusers or inflation fluid sources thereto*
- D 21/22      *(transferred to 21/20, 21/231)*
- N 21/23      • • • *Inflatable members*
- N 21/231      • • • • *characterised by their shape, e.g. shaped with respect to a specific part of the occupant's body (21/233 takes precedence)*
- N 21/233      • • • • *comprising a plurality of individual compartments; comprising two or more bag-like members, one within the other*
- N 21/235      • • • • *characterised by their material*
- N 21/237      • • • • *characterised by the way they are folded*
- N 21/239      • • • • *characterised by their venting means*
- D 21/24      *(transferred to 21/233)*
- 21/26      • • • *characterised by the inflation fluid source or means to control inflation fluid flow*
- N 21/264      • • • • *using instantaneous generation of gas (21/268 takes precedence)*
- N 21/268      • • • • *using instantaneous release of stored pressurised gas*
- N 21/272      • • • • • *with means for increasing the pressure of the gas when inflation is required, e.g. hybrid inflators*
- N 21/276      • • • • *with means to vent the inflation fluid source, e.g. in case of overpressure*
- D 21/28      *(transferred to 21/239, 21/276)*
- D 21/32      *(covered by 21/16)*

- N* 21/33      • • • *Arrangements for non-electric triggering of inflation (electrical circuits for triggering safety arrangements 21/01)*

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**ANNEX 8      B 61 L      [Project-Rapporteur : 389/RU]      <CE31051E>**

- C* 23/18      • • • *pecially adapted for maintaining a safe distance between vehicles or vehicle trains depending upon speed – – –*
- 23/34      • *for indicating the – – –*

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**ANNEX 9      B 65 G      [Project-Rapporteur : 358/AT]      <CE31009E>**

- C* 69/28      • *Loading ramps; Loading docks (as road – – –*
- N* 69/30      • • *Non-permanently installed loading ramps, e.g. transportable*
- N* 69/32      • • *Shelters, surrounds or sealing arrangements for loading docks*
- N* 69/34      • • *Accessories, e.g. vehicle restrainers, wheel blockers, positioners or bumpers*

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**ANNEX 9      B 65 G      [Project-Rapporteur : 408/NO]      <CE31039E>**

- C* 49/07      • • *for semiconductor wafers (pecially adapted for conveying of semiconductor wafers during manufacture or treatment of semiconductor or electric solid state devices or components H 01 L 21/677)*

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**ANNEX 10      B 66 D      [Project-Rapporteur : 367/DE]      <CE31045E>**

- Title**      – – – *for lifts B 66 B; hoisting devices specially adapted for suspended scaffolds E 04 G 3/32)*

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**ANNEX 11      B 66 F      [Project-Rapporteur : 367/DE]      <CE31046E>**

**Title**      – – – with lifting devices [E 04 G 1/22, 3/28](#); lifting devices for – – –

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**ANNEX 12      C 09 J      [Project-Rapporteur : 341/AT]      <CE31032E>**

9/02      • Electrically-conducting adhesives (electrically conductive adhesives specially adapted for use in therapy or testing in vivo [A 61 K 50/00](#))

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**ANNEX 13      E 03 C      [Project-Rapporteur : 346/AT]      <CE31004E>**

1/26      • • – – – devices for waste pipes or outlets ([1/28](#) – – –  
1/266      • • • Arrangement of disintegrating apparatus in waste pipes or outlets; Disintegrating apparatus specially adapted for installation in waste pipes or outlets

*N*      *Note(s) after*  
*1/266*

*Informative note*

*References listed below indicate IPC places which could also be of interest when carrying out a search in respect of the subject matter covered by the preceding group:*

*Disintegrating apparatus in general [B 02 C](#)*

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**ANNEX 14      E 04 F      [Project-Rapporteur : 366/DE]      <CE31011E>**

*N*      *13/07*      • *composed of covering or lining elements; Sub-structures therefor; Fastening means therefor*

*N*      *13/072*      • • *composed of specially adapted, structured or shaped covering or lining elements*

*N*      *13/073*      • • • *for particular building parts, e.g. corners or columns*



- N 13/074 • • • *for accommodating service installations or utility lines, e.g. heating conduits, electrical lines, lighting devices or service outlets*
- N 13/075 • • • *for insulation or surface protection, e.g. against noise or impact*
- N 13/076 • • • *characterised by the joints between neighbouring elements, e.g. with joint fillings or with tongue and groove connections*
- N 13/077 • • • *composed of several layers, e.g. sandwich panels (13/075 takes precedence)*
- N 13/078 • • • *Stretched foil- or web-like elements attached with edge gripping devices*
- C 13/08 • • *composed of a plurality of similar covering or lining elements (13/072 takes precedence; borders, skirtings 19/02)*
- N Note(s)  
before 13/09
- Group 13/09 takes precedence over groups 13/10 to 13/18.*
- N 13/09 • • • *of elements attached to a common web, support plate or grid*
- C 13/10 <Add 1 dot>
- C 13/12 <Add 1 dot>
- C 13/14 • • • *of stone or stone-like materials, e.g. ceramics; of glass*
- N 13/15 • • • • *characterised by the use of glass elements*
- C 13/16 • • • *of fibres or chips, e.g. bonded with synthetic resins*
- C 13/18 <Add 1 dot>
- N 13/20 • • *Fastening means specially adapted for covering or lining elements*
- N 13/22 • • • *Anchors, support angles or consoles*
- N 13/23 • • • • *adjustable*
- N 13/24 • • • *Hidden fastening means on the rear of the covering or lining elements (13/30 takes precedence)*
- N 13/25 • • • • *adjustable*
- N 13/26 • • • *Edge engaging fastening means, e.g. clamps, clips or border profiles*
- N 13/28 • • • • *adjustable*
- N 13/30 • • • *Magnetic fastening means*

19/02 <Unchanged>

ANNEX	15	E 04 G	[Project-Rapporteur : 367/DE]	<CE31013E>
	<b>1/00</b>	<b>Scaffolds primarily resting – – –</b>		
C	1/14	<ul style="list-style-type: none"> <li>• <i>Comprising essentially pre-assembled two-dimensional frame-like elements, e.g. of rods in L- or H-shape, with or – – –</i></li> </ul>		
C	1/15	<ul style="list-style-type: none"> <li>• <i>– – – precedence); Platforms (boards or planks therefor 5/08)</i></li> </ul>		
D	1/16	<i>(transferred to 1/17, 5/16)</i>		
N	1/17	<ul style="list-style-type: none"> <li>• <i>Comprising essentially pre-assembled three-dimensional elements, e.g. cubic elements</i></li> </ul>		
	1/20	<ul style="list-style-type: none"> <li>• • <i>Scaffolds comprising upright – – –</i></li> </ul>		
	1/22	<ul style="list-style-type: none"> <li>• • <i>Scaffolds having a – – –</i></li> </ul>		
D	1/26	<i>(transferred to 5/00)</i>		
	1/30	<ul style="list-style-type: none"> <li>• • <i>Ladder scaffolds</i></li> </ul>		
N	1/38	<ul style="list-style-type: none"> <li>• <i>Scaffolds partly supported by the building (ladders attachable to structures E 06 C 1/34)</i></li> </ul>		
N	3/18	<ul style="list-style-type: none"> <li>• <i>supported by cantilevers or other provisions mounted in openings in the building, e.g. window openings (3/28 takes precedence)</i></li> </ul>		
N	3/20	<ul style="list-style-type: none"> <li>• <i>supported by walls (3/28 takes precedence; wall-anchors for supporting scaffolds 5/04; consoles 5/06)</i></li> </ul>		
N	3/22	<ul style="list-style-type: none"> <li>• <i>supported by roofs or ceilings (3/28 takes precedence)</i></li> </ul>		
N	3/24	<ul style="list-style-type: none"> <li>• <i>specially adapted for particular parts of buildings or for buildings of particular shape, e.g. chimney stacks or pylons (3/28 takes precedence)</i></li> </ul>		
N	3/26	<ul style="list-style-type: none"> <li>• • <i>specially adapted for working on roofs</i></li> </ul>		
N	3/28	<ul style="list-style-type: none"> <li>• <i>Mobile scaffolds; Scaffolds with mobile platforms</i></li> </ul>		
N	3/30	<ul style="list-style-type: none"> <li>• • <i>suspended by flexible supporting elements, e.g. cables</i></li> </ul>		
N	3/32	<ul style="list-style-type: none"> <li>• • • <i>Hoisting devices; Safety devices</i></li> </ul>		
N	3/34	<ul style="list-style-type: none"> <li>• • <i>characterised by supporting structures provided on the roofs</i></li> </ul>		
C	<b>5/00</b>	<b>Component parts or accessories for scaffolds (connections 7/00)</b>		
	5/08	<ul style="list-style-type: none"> <li>• <i>– – – or planks</i></li> </ul>		
N	5/10	<ul style="list-style-type: none"> <li>• <i>Steps or ladders specially adapted for scaffolds</i></li> </ul>		

- N 5/12           • *Canopies*
- N 5/14           • *Railings*
- N 5/16           • *Struts or stiffening rods, e.g. diagonal rods*
- N 7/32           • • *with coupling elements using wedges*
- N 7/34           • • *with coupling elements using positive engagement, e.g. hooks or pins*
  
- 21/24           • --- structures for scaffolds [1/26](#))
- 21/32           • --- (relating to scaffolds [1/00](#), [3/00](#); ---
- 27/00**         --- **ramps** (for scaffolds [1/26](#); gangways ---

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<b>ANNEX</b>	<b>16</b>	<b>E 06 C</b>	<b>[Project-Rapporteur : 367/DE]</b>	<b>&lt;CE31052E&gt;</b>
	7/42		• --- therefor (for scaffold elements <a href="#">E 04 G 5/02</a> )	

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<b>ANNEX</b>	<b>17</b>	<b>F 16 B</b>	<b>[Project-Rapporteur : 366/DE]</b>	<b>&lt;CE31012E&gt;</b>
	Note(s) after the title		<== for roof drainage	
	N		<a href="#">E 04 F 13/20</a> <i>Fastening means specially adapted for covering or lining elements for buildings</i>	
			<a href="#">E 04 G 5/04</a> <i>Fastening scaffolds ==&gt;</i>	

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<b>ANNEX</b>	<b>18</b>	<b>G 01 M</b>	<b>[Project-Rapporteur : 419/RU]</b>	<b>&lt;CE31019E&gt;</b>
	<b>15/00</b>		--- of engines	

N Note(s) after  
15/00

Informative note

References listed below indicate IPC places which could also be of interest when carrying out a search in respect of the subject matter covered by the preceding group:

Measurement of mechanical vibrations in general  
[G 01 H](#)

Analysing gases in general [G 01 N](#)

Arrangements for testing electrical properties;  
Arrangements for locating electric faults; Arrangements for electrical testing characterised by what is being tested not provided for elsewhere [G 01 R 31/00](#).

N 15/02 • Details or accessories of testing apparatus

N 15/04 • Testing of internal-combustion engines, e.g. diagnostic testing of piston engines

N Note(s)  
before 15/05

Group [15/05](#) takes precedence over groups [15/06](#) to [15/12](#).

N 15/05 • • by combined monitoring of two or more different engine parameters

N 15/06 • • by monitoring positions of pistons or cranks

N 15/08 • • by monitoring pressure in cylinders

N 15/09 • • by monitoring pressure in fluid ducts, e.g. in lubrication or cooling parts

N 15/10 • • by monitoring exhaust gases

N 15/11 • • by detecting misfire

N 15/12 • • by monitoring vibrations

N 15/14 • Testing of gas-turbine plants or jet-propulsion plants

N Note(s) after  
 15/14

Informative note

References listed below indicate IPC places which could also be of interest when carrying out a search in respect of the subject matter covered by the preceding group:

Rocket-engine plants characterised by specially adapted arrangements for testing or measuring [F 02 K 9/96](#).

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ANNEX	19	G 06 F	[Project-Rapporteur : 406/EP]	<CE31033E>
	11/00	--- static stores <a href="#">G 11 C 29/00</a> ; coding, decoding ---		
C	17/50	<ul style="list-style-type: none"> <li>• <i>Computer-aided design (for the design of test circuits for static stores <a href="#">G 11 C 29/54</a>)</i></li> </ul>		

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ANNEX	20	G 11 C	[Project-Rapporteur : 406/EP]	<CE31014E>
	Note(s) after the title			
N		(3)	<i>In this subclass, the following terms are used with the meaning indicated:</i>	
N			<ul style="list-style-type: none"> <li>– <i>"storage element" is an element which can hold at least one item of information and is provided with means for writing-in or reading-out this information;</i></li> </ul>	
N			<ul style="list-style-type: none"> <li>– <i>"memory" is a device, including storage elements, which can hold information to be extracted when desired.</i></li> </ul>	
			<Delete former note (3)>	
	11/4078		<ul style="list-style-type: none"> <li>• • • • • --- Test cells (protection of memory contents during checking or testing <a href="#">29/52</a>)</li> </ul>	
C	29/00	<b><i>Checking stores for correct operation; Testing stores during standby or offline operation</i></b>		
N	29/02		<ul style="list-style-type: none"> <li>• <i>Detection or location of defective auxiliary circuits, e.g. defective refresh counters</i></li> </ul>	

- N 29/04 • *Detection or location of defective memory elements*
- N 29/06 • • *Acceleration testing*
- N 29/08 • • *Functional testing, e.g. testing during refresh, power-on self testing (POST) or distributed testing*
- N 29/10 • • • *Test algorithms, e.g. memory scan (MScan) algorithms; Test patterns, e.g. checkerboard patterns*
- N 29/12 • • • *Built-in arrangements for testing, e.g. built-in self testing (BIST)*
- N 29/14 • • • • *Implementation of control logic, e.g. test mode decoders*
- N 29/16 • • • • • *using microprogrammed units, e.g. state machines*
- N 29/18 • • • • *Address generation devices; Devices for accessing memories, e.g. details of addressing circuits*
- N 29/20 • • • • • *using counters or linear-feedback shift registers (LFSR)*
- N 29/22 • • • • • *Accessing serial memories*
- N 29/24 • • • • • *Accessing extra cells, e.g. dummy cells or redundant cells*
- N 29/26 • • • • • *Accessing multiple arrays (29/24 takes precedence)*
- N 29/28 • • • • • • *Dependent multiple arrays, e.g. multi-bit arrays*
- N 29/30 • • • • • *Accessing single arrays*
- N 29/32 • • • • • • *Serial access; Scan testing*
- N 29/34 • • • • • • *Accessing multiple bits simultaneously*
- N 29/36 • • • • • *Data generation devices, e.g. data inverters*
- N 29/38 • • • • • *Response verification devices*
- N 29/40 • • • • • • *using compression techniques*
- N 29/42 • • • • • • *using error correcting codes (ECC) or parity check*
- N 29/44 • • • • • *Indication or identification of errors, e.g. for repair*
- N 29/46 • • • • • *Test trigger logic*

- N 29/48 • • • *Arrangements in static stores specially adapted for testing by means external to the store, e.g. using direct memory access (DMA) or using auxiliary access paths (external testing equipment 29/56)*
- N 29/50 • • *Marginal testing, e.g. race, voltage or current testing*
- N 29/52 • *Protection of memory contents; Detection of errors in memory contents*
- N 29/54 • *Arrangements for designing test circuits, e.g. design for test (DFT) tools*
- N 29/56 • *External testing equipment for static stores, e.g. automatic test equipment (ATE); Interfaces therefor*

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ANNEX	21	G 21 B	[Project-Rapporteur : 421/RU]	<CE31021E>
	<b><i>C 1/00</i></b>	<b><i>Thermonuclear fusion reactors</i></b>		
	<i>N 1/01</i>	• <i>Hybrid fission-fusion nuclear reactors</i>		
	<i>D 1/02</i>	<i>(transferred to 1/00, 3/00)</i>		
	<i>N 1/03</i>	• <i>with inertial plasma confinement</i>		
	<i>N 1/05</i>	• <i>with magnetic or electric plasma confinement</i>		
	<i>N 1/11</i>	• <i>Details</i>		
	<i>N 1/13</i>	• • <i>First wall; Blanket; Divertor</i>		
	<i>N 1/15</i>	• • <i>Particle injectors for producing thermonuclear fusion reactions, e.g. pellet injectors</i>		
	<i>N 1/17</i>	• • <i>Vacuum chambers; Vacuum systems</i>		
	<i>N 1/19</i>	• • <i>Targets for producing thermonuclear fusion reactions</i>		
	<i>N 1/21</i>	• • <i>Electric power supply systems, e.g. for magnet systems</i>		
	<i>N 1/23</i>	• • <i>Optical systems, e.g. for irradiating targets, for heating plasma or for plasma diagnostics</i>		
	<i>N 1/25</i>	• <i>Maintenance, e.g. repair or remote inspection</i>		
	<b><i>N 3/00</i></b>	<b><i>Low temperature nuclear fusion reactors, e.g. alleged cold fusion reactors</i></b>		

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ANNEX 22                    G 21 C      [Project-Rapporteur : 421/RU]                    <CE31034E>

**Title**                    --- G 06 G 7/54; fusion reactors, hybrid fission-fusion reactors  
 G 21 B; ---

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ANNEX 23                    H 01 B      [Project-Rapporteur : 407/RU]                    <CE31017E>

Note(s) after  
 the title

N                    (3)                    *In groups 1/00 to 7/00 and 17/00, multi-aspect classification is applied to conductors, conductive bodies, insulators or insulating bodies, with regard to their form and to their material, so that if both the form and the material are of interest, the subject matter is classified in each of the relevant groups.*

3/30                    • • plastics; resins; waxes

N      Note(s) after  
 3/30

*Group 3/47 takes precedence over groups 3/32 to 3/46*

N      3/47                    • • • fibre-reinforced plastics, e.g. glass-reinforced plastics

C      3/48                    • • fibrous materials (fibre-reinforced plastics 3/47)



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ANNEX 24 H 01 L [Project-Rapporteur : 408/NO] <CE31038E>

Note(s) after  
 the title

- (2) --- with the meaning indicated:
- N
- "wafer" means a slice of semiconductor or crystalline substrate material, which can be modified by impurity diffusion (doping), ion implantation or epitaxy, and whose active surface can be processed into arrays of discrete components or integrated circuits;
  - "solid state body" ==>

Note(s) after  
 21/00

- 21/02 to 21/67.
- N 21/67
- Apparatus specially adapted for handling semiconductor or electric solid state devices during manufacture or treatment thereof; Apparatus specially adapted for handling wafers during manufacture or treatment of semiconductor or electric solid state devices or components
- N 21/673
- • using specially adapted carriers
- N 21/677
- • for conveying, e.g. between different work stations
- C 21/68
- • for positioning, orientation or alignment (for conveying 21/677)
- N 21/683
- • for supporting or gripping (for conveying 21/677, for positioning, orientation or alignment 21/68)
- N 21/687
- • • using mechanical means, e.g. chucks, clamps or pinches

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ANNEX 24 H 01 L [Project-Rapporteur : 423/DE] <CE31040E>

- C 21/00
- Processes or apparatus specially adapted for** --- (processes or apparatus specially adapted for the manufacture --- 31/00 to 51/00 or of ---
- C 21/02
- --- parts thereof
- C 21/64
- --- thereof, not specially adapted for a single type of device provided --- 31/00 to 51/00

Note(s) after  
23/00

- <== by that group;
- --- 31/00 to 51/00, which details ---

- C 25/03 • --- 27/00 to 51/00, e.g. assemblies ---
- C 25/16 • --- 27/00 to 51/00, e.g. forming ---
- C 25/18 • --- 27/00 to 51/00
- C 27/00 --- or apparatus specially adapted for --- 31/00 to 51/00; details thereof 23/00, 29/00 to 51/00; assemblies consisting ---

Note(s) after  
27/00

(1) In this group, in the absence ---

- 27/02 • including semiconductor components specially adapted for rectifying, oscillating, amplifying or switching and having at least one potential-jump barrier or surface barrier; including integrated ---
- 27/14 • --- electromagnetic radiation of shorter wavelength or corpuscular radiation and specially adapted either for the conversion ---
- 27/15 • --- or surface barrier, specially adapted for ---
- N 27/28 • including components using organic materials as the active part, or using a combination of organic materials with other materials as the active part
- N 27/30 • • with components specially adapted for sensing infra-red radiation, light, electromagnetic radiation of shorter wavelength, or corpuscular radiation; with components specially adapted for either the conversion of the energy of such radiation into electrical energy or for the control of electrical energy by such radiation
- N 27/32 • • with components specially adapted for light emission, e.g. flat-panel displays using organic light-emitting diodes
- 29/00 **Semiconductor devices specially adapted for rectifying, amplifying, oscillating or switching and having at least one potential-jump barrier or surface barrier; Capacitors or resistors with --- to 47/00, 51/05 take precedence; processes or apparatus specially adapted for the ---**
- C 31/00 --- radiation and specially adapted either --- or apparatus specially adapted for the manufacture --- Details thereof (51/42 takes precedence; ---
- 31/12 • --- surface barrier specially adapted for ---

- 31/18 • Processes or apparatus specially adapted for the manufacture – – – parts thereof (for manufacture or treatment of semiconductor or solid state devices or of parts thereof in general 21/00)
- C 33/00 – – – *surface barrier specially adapted for – – – or apparatus specially adapted for the manufacture – – – Details thereof (51/50 takes precedence; devices consisting of a plurality of components formed in or on a common substrate 27/00; couplings of light guides – – –*
- 35/00 – – – **or apparatus specially adapted for the manufacture – – –**
- 35/34 • Processes or apparatus specially adapted for the manufacture – – – parts thereof (for manufacture or treatment of semiconductor or solid state devices or of parts thereof in general 21/00)
- 37/00 – – – **or apparatus specially adapted for the manufacture – – –**
- 39/00 – – – **or apparatus specially adapted for the manufacture – – –**
- 39/24 • Processes or apparatus specially adapted for the manufacture – – – parts thereof (for manufacture or treatment of semiconductor or solid state devices or of parts thereof in general 21/00; magnetic – – –
- 41/00 – – – **or apparatus specially adapted for the manufacture – – –**
- 41/22 • Processes or apparatus specially adapted for the manufacture – – – parts thereof (for manufacture or treatment of semiconductor or solid state devices or of parts thereof in general 21/00)
- 43/00 – – – **or apparatus specially adapted for the manufacture – – –**
- 43/12 • Processes or apparatus specially adapted for the manufacture – – – parts thereof (for manufacture or treatment of semiconductor or solid state devices or of parts thereof in general 21/00)
- 45/00 **Solid state devices specially adapted for – – – or apparatus specially adapted for the manufacture – – –**
- 47/00 – – – **or apparatus specially adapted for the manufacture – – –**
- C 49/00 – – – 47/00 and 51/00 and not provided for in any – – – or apparatus specially adapted for the manufacture – – –
- C 51/00 **Solid state devices using organic – – – with other materials as the active part; Processes – – – parts thereof** (devices consisting of a plurality of components formed in or on a common substrate 27/28; thermoelectric devices using organic material 35/00, 37/00; piezoelectric, electrostrictive or magnetostrictive elements using organic material 41/00)
- N 51/05 • *specially adapted for rectifying, amplifying, oscillating or switching and having at least one potential-jump barrier or surface barrier; Capacitors or resistors with at least one potential-jump barrier or surface barrier*

- C 51/10 <Add 1 dot>
- D 51/20 (transferred to 51/05, 51/42, 51/50)
- C 51/30 <Add 1 dot>
- C 51/40 • --- treatment of such devices or ---
- N 51/42 • specially adapted for sensing infra-red radiation, light, electromagnetic radiation of shorter wavelength, or corpuscular radiation; specially adapted either for the conversion of the energy of such radiation into electrical energy or for the control of electrical energy by such radiation
- N 51/44 • • Details of devices
- N 51/46 • • Selection of materials
- N 51/48 • • Processes or apparatus specially adapted for the manufacture or treatment of such devices or of parts thereof
- N 51/50 • specially adapted for light emission, e.g. organic light emitting diodes (OLED) or polymer light emitting devices (PLED) (organic semiconductor lasers H 01 S 5/36)
- N 51/52 • • Details of devices
- N 51/54 • • Selection of materials (organic luminescent materials C 09 K 11/06)
- N 51/56 • • Processes or apparatus specially adapted for the manufacture or treatment of such devices or of parts thereof

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**ANNEX 25 H 01 S [Project-Rapporteur : 423/DE] <CE31041E>**

- 5/30 • --- region; Materials used for the active region
- 5/32 • • --- double- hetero-structures (5/34, 5/36 take precedence)
- 5/34 • • --- lasers (GRINSCH-lasers) (5/36 takes precedence)
- N 5/36 • • comprising organic materials (dye lasers 3/213)

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**ANNEX 26 H 05 B [Project-Rapporteur : 423/DE] <CE31042E>**

- C 33/00 --- light emission H 01 L 27/15, 33/00; organic light emitting devices H 01 L 27/32, 51/50; lasers H 01 S 3/00, 5/00; compositions per se, see the ---

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<b>ANNEX</b>	<b>27</b>	<b>H 05 H</b>	<b>[Project-Rapporteur : 421/RU]</b>	<b>&lt;CE31022E&gt;</b>
<b>Title</b>		<b>PLASMA TECHNIQUE</b> (ion-beam tubes <a href="#">H 01 J 27/00</a> ; ---		
<b>1/00</b>		<b>Generating plasma; Handling plasma</b> (application of plasma technique in thermonuclear fusion reactors <a href="#">G 21 B 1/00</a> )		

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[End of Technical Annexes and of document]