

TECHNICAL ANNEXES
(see paragraph 10 of this report)

ANNEX	1	A 41 B	[Project-Rapporteur : 315/GB]	<CE26075E>
	Title	SHIRTS; UNDERWEAR; BABY ---		
ANNEX	2	A 47 G	[Project-Rapporteur : 28/DE]	<CE26130E>
C	33/04	. Christmas trees (lighting devices therefor F 21 S; candle holders F 21 V 35/00)		
D	33/16	(transferred to F 21 S, V)		
ANNEX	2	A 47 G	[Project-Rapporteur : 316/PT]	<CE26080E>
N	9/10	. Pillows (pillow holders A 47 C 21/00; specially adapted for preventing snoring A 61 F 5/56)		
ANNEX	3	A 61 B	[Project-Rapporteur : 271/EP]	<CE26073E>
	5/00	Measuring for diagnostic --- infrasonic waves 8/00); Identification of persons		
N	Note(s) after 5/00	In this group, the following term is used with the meaning indicated: - "measuring" <u>covers</u> also detecting or recording.		
N	5/01	. Measuring temperature of body parts (clinical thermometers G 01 K 5/22; thermometers for special purposes G 01 K 13/00)		
	5/02	. Measuring pulse, heart --- group with electrocardiography; Heart catheters ---		
	5/024	. . Measuring pulse rate ---		
	5/0245	. . . using sensing ---		
	5/0285	. . . Measuring phase velocity ---		
	5/029	. . . Measuring blood output ---		
	5/03	. Measuring fluid pressure within --- cerebral pressure		
	5/04	. Measuring bioelectric signals ---		

- 5/05 . Measuring for diagnosis ---
- N 5/053 . . Measuring electrical impedance or conductance of a portion of the body
- 5/08 . Measuring devices for ---
- 5/103 . Measuring devices for ---
- D 5/14 (transferred to 5/145, 5/15)
- N 5/145 . Measuring characteristics of blood in vivo, e.g. gas concentration within the blood, pH-value of blood (measuring of blood pressure 5/02; non-radiation detecting or locating of foreign bodies in blood 5/06)
- N 5/15 . Devices for taking samples of blood (hypodermic syringes A 61 M 5/00)
- N 5/155 . . for continuous or multiple sampling, e.g. at predetermined intervals

ANNEX 4 A 61 K [Project-Rapporteur : 139/EP] <CE26146E>

See page 38 of the Technical Annexes

ANNEX 5 A 61 N [Project-Rapporteur : 345/AT] <CE26125E>

- 5/02 . using microwaves (5/01 takes precedence)
- 5/06 . using light (5/01 takes precedence)
- N 5/067 . . using laser light
- N 5/073 . . using polarised light (5/067 takes precedence)
- 5/08 . . using combined infra-red and ultra-violet light

ANNEX 6 A 63 F [Project-Rapporteur : 273/GB] <CE26074E>

- 1/18 . . Scoring or registering devices; Miscellaneous indicators

- C 9/00 Miscellaneous games (miscellaneous sporting games A 63 B 67/00)
- 9/02 . --- takes precedence; throwing-implements for sports or recreational use A 63 B 65/00; throwing or ---
- N 9/26 . Balancing games, i.e. bringing elements into or out of balance

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- N 9/28 . Chain-reaction games with toppling pieces; Dispensers or positioning devices therefor
- N 9/30 . Capturing games for grabbing or trapping objects, e.g. fishing games
- N 9/32 . Games with a collection of long sticks, e.g. mikado_ (9/30 takes precedence)
- N 9/34 . Games using magnetically moved or magnetically held pieces, not provided for in other subgroups of group 9/00
- N 11/00 Game accessories of general use
- N Note(s)
after
11/00
- Game accessories specially adapted for a particular type of game are classified in one of the groups 1/00 to 9/00 covering the particular game.

ANNEX 7 B 01 D [Project-Rapporteur : 246/EP]
[Project-Rapporteur : 321/GB] <CE26077E>

17/00 --- like materials E 02 B 15/04; arrangements for separating lubricants from refrigerants F 25 B 43/02)

Guide
Heading
before
24/00

--- regeneration thereof (blood or infusion liquid filters A 61 M 5/165; screens or sieves per se B 07 B 1/00; extrusion filters B 29 C 47/68; filtering spinning solution or melt D 01 D 1/10; filtration of lubricants F 16 N 39/06)

Guide
Heading
before
45/00

--- or vapours (suction cleaner filters A 47 L 9/10; filters for breathing-protection purposes A 62 B 23/00; filtering air for vehicles B 60 H 3/06; separating pneumatically-conveyed materials from propelling gas B 65 G 53/60; exhaust or silencing apparatus for machines or engines having means for removing solid constituents of exhaust F 01 N 3/02; air cleaners for the intakes of gas-turbine or jet-propulsion plants F 02 C 7/05, of combustion engines F 02 M 35/024, of compressors F 04 B 39/16; filtering in air-conditioning F 24 F 3/16)

ANNEX	8	B 01 J	[Project-Rapporteur : 224/SE]	<CE26025E>
	8/24	. .	--- (8/20 takes precedence; fluidised bed combustion apparatus F 23 C 10/00)	

ANNEX	9	B 03 C	[Project-Rapporteur : 246/EP]	<CE26016E>
	3/00	---	electrostatic effect (exhaust or silencing apparatus for machines or engines having means for removing solid constituents of exhaust, using electric or electrostatic separators F 01 N 3/01)	

ANNEX	10	B 04 C	[Project-Rapporteur : 246/EP]	<CE26015E>
	Title	---	mills B 02 C 19/06; exhaust or silencing apparatus for machines or engines having means for removing solid constituents of exhaust, using inertial or centrifugal separators F 01 N 3/037; cyclonic type ---	

ANNEX 11	B 07 C	[Project-Rapporteur : 309/GB]	<CE26099E>
5/00	--- bulk material B 07 B; sorting of coins G 07 D)		

ANNEX 12	B 09 B	[Project-Rapporteur : 245/GB]	<CE26011E>
Note(s) after Title			
N	<== compacting used cars		
	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 ==>	

ANNEX 13	B 21 B	[Project-Rapporteur : 257/RU]	<CE26071E>
N Note(s) after 1/08	In groups 1/08 to 1/14, it is desirable to add the indexing codes of groups 108:00. The indexing codes should be <u>unlinked</u> .		
N Heading before 108:00	<u>Indexing scheme associated with groups 1/08 to 1/14, relating to rolling work of special cross-section. The indexing codes should be unlinked.</u>		
N Note(s) before 108:00	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 108:00	Work of special cross-section		
N 108:02	. Rail sections		
N 108:04	. H- or I-sections		
N 108:06	. L-sections		
N 108:08	. T-sections		

- N 108:10 . U- or channel sections
- N 108:12 . Z-sections
- N 108:14 . Piling sections having lateral edges interlocking with each other to build a wall

ANNEX 14 B 28 D [Project-Rapporteur : 161/NO] <CE26021E>

C 1/14 . --- machines B 23 B; percussive tools B 25 D; earth or rock drilling E 21 B)

ANNEX 15 B 60 B [Project-Rapporteur : 245/GB] <CE26012E>

Guide
Heading
before
29/00

--- mounting tyres B 60 C 25/00; joining wheel units to motor vehicles or trailers during manufacturing, e.g. assembling, B 62 D 65/12)

ANNEX 16 B 60 Q [Project-Rapporteur : 28/DE] <CE26132E>

Title ARRANGEMENT OF SIGNALLING OR LIGHTING DEVICES, THE MOUNTING OR SUPPORTING THEREOF OR CIRCUITS THEREFOR, FOR VEHICLES IN GENERAL (arrangement of signalling ---

Note(s)
after
Title

(1) This subclass covers also arrangement or adaptation of lighting switches or signal-initiating means for vehicles.
<Text deleted>
<Text deleted>

(2) Attention is drawn ==>

1/00 Arrangement of optical ---

3/00 Arrangement of lighting ---

5/00 Arrangement or adaptation of acoustic ---

- 7/00 Arrangement or adaptation of portable emergency signal devices on vehicles (arrangements for enforcing caution on roads, e.g. marker posts, E 01 F 9/00; signs G 09 F, e.g. reflecting warning triangles 13/16)
- 9/00 Arrangement or adaptation of signal ---
- 11/00 Arrangement of monitoring ---

ANNEX	17	B 60 R	[Project-Rapporteur : 258/EP]	<CE26072E>
	1/00	<Unchanged>		
	1/02	<Unchanged>		
C	1/04	. . mounted inside vehicle (1/08 takes precedence)		
C	1/06	. . mounted on vehicle exterior (1/08 takes precedence)		
N	1/062	. . . with remote control for adjusting position		
N	1/064	. . . . by manually powered actuator		
N	1/066	. . . . . for adjusting the mirror relative to its housing		
N	1/068	. . . . . using cables		
N	1/07	. . . . by electrically powered actuator		
N	1/072	. . . . . for adjusting the mirror relative to its housing		
N	1/074	. . . . . for retracting the mirror arrangements to a non-use position alongside the vehicle		
N	1/076	. . . yieldable to excessive external force and provided with an indexed use position (1/062 takes precedence)		
N	1/078	. . . easily removable; mounted for bodily outward movement, e.g. when towing		
	1/10	<Unchanged>		

ANNEX 18	B 61 D	[Project-Rapporteur : 28/DE]	<CE26134E>
29/00	Arrangement of lighting devices for rail vehicles		

ANNEX 19	B 62 D	[Project-Rapporteur : 245/GB]	<CE26010E>
65/00	Designing, manufacturing, e.g. assembling, facilitating disassembly, or structurally modifying motor vehicles ---		
N 65/02	. Joining sub-units or components to, or positioning sub-units or components with respect to, body shell or other sub-units or components		
N 65/04	. . Joining preassembled modular units composed of sub-units performing diverse functions, e.g. engine and bonnet (65/06 to 65/16 take precedence)		
N 65/06	. . the sub-units or components being doors, windows, openable roofs, lids, bonnets, or weather strips or seals therefor		
N 65/08	. . . Weather strips or seals		
N 65/10	. . the sub-units or components being engines, clutches or transmissions		
N 65/12	. . the sub-units or components being suspensions, brakes or wheel units		
N 65/14	. . the sub-units or components being passenger compartment fittings, e.g. seats, linings, trim, instrument panels		
N 65/16	. . the sub-units or components being exterior fittings, e.g. bumpers, lights, wipers		
N 65/18	. Transportation, conveyor or haulage systems specially adapted for motor vehicle or trailer assembly lines		
N 67/00	Systematic disassembly of vehicles for recovery of salvageable components, e.g. for recycling (for disposal of vehicles by destroying or transformation B 09 B 3/00, 5/00)		

ANNEX 20	B 65 D	[Project-Rapporteur : 280/GB]	<CE26119E>
50/00	--- e.g. 41/32, 51/20; means <u>per se</u> for discouraging or indicating unauthorised opening or removal of closure 55/02)		

ANNEX 20	B 65 D	[Project-Rapporteur : 305/GB]	<CE26078E>
N 85/73	. . with means specially adapted for effervescing the liquids, e.g. for forming bubbles or beer head		

ANNEX 21	B 65 G	[Project-Rapporteur : 245/GB]	<CE26013E>
Title	--- to B 64; transportation, conveyor or haulage systems specially adapted for motor vehicle or trailer assembly lines B 62 D 65/18; in packaging ---		

ANNEX 22	C 12 C	[Project-Rapporteur : 305/GB]	<CE26079E>
11/11	. Post fermentation treatments, e.g. carbonation, concentration (C 12 H takes precedence; containers with means specially adapted for effervescing potable liquids B 65 D 85/73)		

ANNEX 23	E 04 H	[Project-Rapporteur : 289/GB]	<CE26082E>
17/02	. Wire fencing, e.g. made of wire mesh (17/14 takes precedence; working or processing of wire B 21 F, e.g. making wire nets 27/00)		
C 17/04	. . characterised by the use of specially adapted wire, e.g. barbed wire		

ANNEX 24	E 06 B	[Project-Rapporteur : 307/GB]	<CE26017E>
3/88	. . --- door leaves (finger guards for doors or windows 7/36)		
7/34	<Unchanged>		
N 7/36	. . Finger guards		

ANNEX 25 E 21 [Project-Rapporteur : 161/NO] <CE26020E>

Subsection

Title

before E 21 EARTH OR ROCK DRILLING; MINING

Title EARTH OR ROCK DRILLING; MINING

ANNEX 26 E 21 B [Project-Rapporteur : 161/NO] <CE26018E>

Title EARTH OR ROCK DRILLING (mining, ---

N Note(s)

after

Title

- (1) This subclass covers :
- primarily equipment for drilling of earth or rock in their natural formation;
 - similar equipment for drilling of man-made structures in situ, e.g. of road surfaces or concrete structures.
- (2) This subclass does not cover :
- hand-held drilling machines, e.g. for domestic use;
 - drilling equipment for manufacturing operations, i.e. where an article is worked, e.g. for further processing; which are covered by relevant subclasses of section B, e.g. B 23 B.

- C 1/02 . Surface drives for drop hammers, e.g. with a cable
- N 1/12 . with a reciprocating impulse member (1/02, 1/38 take precedence)
- N 1/14 . . driven by a rotating mechanism
- N 1/16 . . . with spring-mounted reciprocating masses, e.g. with air cushion
- N 1/18 with elastic joining of the drive to the push-rod by double buffer springs
- N 1/20 . . . formed as centrifugal hammers
- N 1/22 . . driven by electromagnets
- N 1/24 . . the impulse member being a piston driven directly by fluid pressure
- N 1/26 . . . by liquid pressure

- N 1/28 working with pulses
- N 1/30 . . . by air, steam or gas pressure
- N 1/32 working with pulses
- N 1/34 the impulse member being a piston of an
internal-combustion engine
- N 1/36 . Tool-carrier piston type, i.e. in which the tool is connected
to an impulse member
- N 1/38 . Hammer piston type, i.e. in which the tool bit or anvil is
hit by an impulse member
- N 3/025 . . with a to-and-fro rotation of the tool
- N 3/03 . . with an intermittent unidirectional rotation of the tool
- N 3/035 . . with slipping or elastic transmission
- C 4/18 . Anchoring or feeding in the borehole
- 6/00 Drives for drilling with combined rotary and percussive action
(drives used in the borehole 4/00; portable percussive machines
with superimposed rotation B 25 D 16/00)
- N 6/02 . the rotation being continuous
- N 6/04 . . Separate drives for percussion and rotation
- N 6/06 . the rotation being intermittent, e.g. obtained by a ratchet
device
- N 6/08 . . Separate drives for percussion and rotation
- C 7/00 --- for drilling (supports for the drilling machine, e.g.
derricks or masts, 15/00)
- C 7/02 . Drilling rigs characterised by means for land transport, e.g.
skid mounting or wheel mounting (portable drilling ---
- 7/04 . Directional drilling

- C 7/12 . Underwater drilling (telescoping joints 17/07; using heave compensators 19/09; well heads specially adapted for underwater installations 33/035)
- 7/20 . --- casing boreholes (surface means for applying to-and-fro rotation movements to the casing 3/025; placing piles E 02 D 7/00; ---)
- D 7/22 (transferred to 3/025)
- C 15/00 Supports for the drilling machine, e.g. derricks or masts
- N 17/03 . . between drilling rod or pipe and drill motor, e.g. between drilling rod and hammer
- 17/10 . --- anchoring means 4/18; guiding or centralising devices outside the borehole 19/24)
- 19/00 --- like outside the borehole, e.g. in the derrick; Apparatus for feeding the rods or cables (surface drives ---)
- C 19/08 . --- takes precedence; automatic feed 44/02; hoisting drums ---
- N 19/081 . . Screw-and-nut feed mechanisms
- N 19/083 . . Cam, rack or like feed mechanisms
- N 19/084 . . with flexible drawing means, e.g. cables
- N 19/086 . . with a fluid-actuated cylinder (19/084, 19/087, 19/09 take precedence)
- N 19/087 . . by means of a swinging arm
- N 19/089 . . with a spring or an additional weight
- N 19/24 . Guiding or centralising devices for drilling rods or pipes
- C 21/00 --- for flushing boreholes, e.g. by use of exhaust air from motor (freeing objects stuck --- drilling compositions C 09 K 7/00)
- N 21/01 . Arrangements for handling drilling fluids or cuttings outside the borehole, e.g. mud boxes (arrangements for treating drilling fluids 21/06)
- N 21/015 . . Means engaging the bore entrance, e.g. hoods for collecting dust

- 21/06 . --- drilling fluids outside the borehole (treating steps ---
- N 21/07 . . for treating dust-laden gaseous fluids
- 21/14 . using liquids and gases, e.g. foams
- N 21/16 . using gaseous fluids (21/14 takes precedence; arrangements for handling drilling fluids outside the borehole 21/01; arrangements for treating drilling fluids 21/06)
- N 21/18 . Preventing exhaust air from the drill motor from blowing-off towards the working face
- 34/10 . . --- supplied from outside the borehole (control means being outside the borehole 34/16)
- 34/16 . Control means therefor being outside the borehole
- N 41/08 . Underwater guide bases, e.g. drilling templates; Levelling thereof
- N 41/10 . Guide posts, e.g. releasable; Attaching guide lines to underwater guide bases
- N 44/02 . Automatic control of the tool feed (44/10 takes precedence)
- N 44/04 . . in response to the torque of the drive
- N 44/06 . . in response to the flow or pressure of the motive fluid of the drive
- N 44/08 . . in response to the amplitude of the movement of the percussion tool, e.g. jump or recoil
- N 44/10 . Arrangements for automatic stopping when the tool is lifted from the working face

ANNEX 27	E 21 C	[Project-Rapporteur : 161/NO]	<CE26022E>
D Note(s) after Title	<Deleted>		
Subclass index	<Text deleted> <Text deleted> <Text deleted> <Text deleted> CUTTING; SLITTING; DISLODGING ==>		
D Heading before 1/00	<Deleted>		
D 1/00	(covered by E 21 B 3/00)		
D 1/02	(covered by E 21 B 3/00)		
D 1/04	(transferred to E 21 B 3/035)		
D 1/06	(transferred to E 21 B 3/025)		
D 1/08	(transferred to E 21 B 3/03)		
D 1/10	(transferred to E 21 B 19/08, covered by 3/00, 4/00)		
D 1/12	(transferred to E 21 B 6/02)		
D 3/00	(covered by E 21 B 1/00)		
D 3/02	(transferred to E 21 B 1/36)		
D 3/04	(transferred to E 21 B 1/38)		
D 3/06	(covered by E 21 B 1/00)		
D 3/08	(transferred to E 21 B 1/14)		
D 3/10	(transferred to E 21 B 1/20)		
D 3/12	(transferred to E 21 B 1/16)		
D 3/14	(transferred to E 21 B 1/18)		
D 3/16	(transferred to E 21 B 1/22)		

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- D 3/18 (transferred to E 21 B 1/34)
- D 3/20 (transferred to E 21 B 1/26)
- D 3/22 (transferred to E 21 B 1/28)
- D 3/24 (transferred to E 21 B 1/30)
- D 3/26 (transferred to E 21 B 1/32)
- D 3/28 (transferred to E 21 B 1/12, 6/06)
- D 3/30 (transferred to E 21 B 1/12, 6/08)
- D 3/32 (transferred to E 21 B 44/00)
- D 3/34 (transferred to E 21 B 17/03)
- D Heading before 5/00 <Deleted>
- D 5/00 (transferred to E 21 B 19/08)
- D 5/02 (transferred to E 21 B 19/081)
- D 5/04 (transferred to E 21 B 19/083)
- D 5/06 (transferred to E 21 B 19/084)
- D 5/08 (transferred to E 21 B 19/08)
- D 5/10 (transferred to E 21 B 19/086, 19/087)
- D 5/11 (transferred to E 21 B 19/086, 19/087)
- D 5/12 (transferred to E 21 B 19/089)
- D 5/14 (transferred to E 21 B 44/08)
- D 5/16 (transferred to E 21 B 44/00)
- D 7/00 to 7/04 (transferred to E 21 B 21/00)
- D 7/06 (covered by E 21 B 21/14)
- D 7/08 to 7/10 (transferred to E 21 B 21/00)

- D 7/12 (transferred to E 21 B 21/18)
- D 9/00 (transferred to E 21 B 19/24)
- D 11/00 (transferred to E 21 B 7/02, 15/00, 19/08)
- D 11/02 (transferred to E 21 B 7/02, 15/00, 19/08)
- 35/22 . --- of, dust (picks with arrangement of fluid-spraying
nozzles 35/187; methods or apparatus for flushing boreholes
E 21 B 21/00)
- 37/24 . . Pick hammers (pneumatic hammers in general B 25 D;
percussion drilling E 21 B 1/00)

ANNEX 28 E 21 D [Project-Rapporteur : 161/NO] <CE26044E>

Title --- materials C 09 K 17/00; cutting machines ---

1/06 . . --- (drilling machines E 21 B)

ANNEX 29 E 21 F [Project-Rapporteur : 161/NO] <CE26023E>

- C 5/20 . Drawing-off or depositing dust (methods or apparatus for
flushing boreholes E 21 B 21/00; while slitting E 21 C 35/22)

ANNEX 30 F 01 N [Project-Rapporteur : 246/EP] <CE26014E>

- N 3/01 . by means of electric or electrostatic separators
- C 3/02 . --- of, exhaust (by means of electric or electrostatic
separators 3/01)
- N 3/021 . . by means of filters
- N 3/022 . . . characterised by specially adapted filtering structure,
e.g. honeycomb, mesh or fibrous
- N 3/023 . . . using means for regenerating the filters, e.g. by burning
trapped particles
- N 3/025 using fuel burner or by adding fuel to exhaust
- N 3/027 using electric or magnetic heating
- N 3/028 using microwaves

- N 3/029 by adding non-fuel substances to exhaust
- N 3/031 . . . having means for by-passing filters, e.g. when clogged or during cold engine start
- N 3/032 during filter regeneration only
- N 3/033 . . . in combination with other devices
- N 3/035 with catalytic reactors
- N 3/037 . . by means of inertial or centrifugal separators, e.g. associated with agglomerators
- N 3/038 . . by means of perforated plates defining expansion chambers associated with condensation and collection chambers
- 3/04 . . by means of liquids
- N 3/05 . . by means of air, e.g. by mixing exhaust with air (silencers working by addition of air to exhaust 1/14; arrangements for the supply of additional air for the thermal or catalytic conversion of noxious components of exhaust 3/30)
- C 3/08 . for rendering innocuous (using electric or electrostatic separators 3/01)
- C 3/24 . . . --- converting apparatus (filtering in combination with catalytic reactors 3/035)

ANNEX 31 F 02 C [Project-Rapporteur : 224/SE] <CE26026E>

Title --- fans F 04; fluidised bed combustion apparatus F 23 C 10/00; generating combustion products of high pressure or high velocity F 23 R; using gas turbines in compression ---

ANNEX 32 F 16 L [Project-Rapporteur : 161/NO] <CE26019E>

27/00 --- pipe assemblies 39/04; swivel joints in hose lines used for flushing boreholes E 21 B 21/02)

ANNEX 33 F 21 [Project-Rapporteur : 28/DE] <CE26148E>

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ANNEX 34 F 21 H [Project-Rapporteur : 28/DE] <CE26150E>

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ANNEX 35 F 21 K [Project-Rapporteur : 28/DE] <CE26152E>

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ANNEX 36 F 21 L [Project-Rapporteur : 28/DE] <CE26154E>

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ANNEX 37 F 21 M [Project-Rapporteur : 28/DE] <CE26156E>

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ANNEX 38 F 21 P [Project-Rapporteur : 28/DE] <CE26158E>

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ANNEX 39 F 21 Q [Project-Rapporteur : 28/DE] <CE26160E>

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ANNEX 40 F 21 S [Project-Rapporteur : 28/DE] <CE26162E>

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ANNEX 41 F 21 V [Project-Rapporteur : 28/DE] <CE26164E>

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ANNEX 42 F 21 W [Project-Rapporteur : 28/DE] <CE26166E>

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ANNEX 43 F 21 Y [Project-Rapporteur : 28/DE] <CE26168E>

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ANNEX 44	F 23 B	[Project-Rapporteur : 224/SE]	<CE26027E>
Title	--- alternatively F 23 C 1/00; fluidised bed combustion apparatus F 23 C 10/00; burning of ---		

ANNEX 45	F 23 C	[Project-Rapporteur : 224/SE]	<CE26024E>
C 1/00	--- being fluent (10/00 takes precedence; with after-burning arrangements ---		
C 3/00	--- combustion chamber (10/00 takes precedence)		
C 5/00	--- apparatus (1/00, 10/00, 11/04 take precedence)		
C 6/00	--- combustion chambers (10/00 takes precedence)		
C 7/00	Air-supply arrangements (10/00 takes precedence; in general F 23 L)		
C 9/00	--- flue gases (10/00 takes precedence)		
N 10/00	Fluidised bed combustion apparatus		
N Note(s) after 10/00	In this group, it is desirable to add the indexing code of group 101:00. The indexing code should be <u>unlinked</u> .		
N 10/02	. with means specially adapted for achieving or promoting a circulating movement of particles within the bed or for a recirculation of particles entrained from the bed		
N 10/04	. . the particles being circulated to a section, e.g. a heat-exchange section or a return duct, at least partially shielded from the combustion zone, before being reintroduced into the combustion zone		
N 10/06	. . . the circulating movement being promoted by inducing differing degrees of fluidisation in different parts of the bed		
N 10/08	. . . characterised by the arrangement of separation apparatus, e.g. cyclones, for separating particles from the flue gases		
N 10/10	. . . . the separation apparatus being located outside the combustion chamber		

- N 10/12 . . the particles being circulated exclusively within the combustion zone
- N 10/14 . . . the circulating movement being promoted by inducing differing degrees of fluidisation in different parts of the bed
- N 10/16 . specially adapted for operation at superatmospheric pressures, e.g. by the arrangement of the combustion chamber and its auxiliary systems inside a pressure vessel
- N 10/18 . Details; Accessories
- N 10/20 . . Inlets for fluidisation air, e.g. grids; Bottoms
- N 10/22 . . Fuel feeders specially adapted for fluidised bed combustion apparatus (10/26 takes precedence)
- N 10/24 . . Devices for removal of material from the bed (devices for controlling the level of the bed or the amount of material in the bed 10/30)
- N 10/26 . . . combined with devices for partial reintroduction of material into the bed, e.g. after separation of agglomerated parts
- N 10/28 . . Control devices specially adapted for fluidised bed combustion apparatus
- N 10/30 . . . for controlling the level of the bed or the amount of material in the bed
- N 10/32 by controlling the rate of recirculation of particles separated from the flue gases
- 11/00 Combustion apparatus using fluent fuel, not provided for in groups 1/00 to 10/00
- D 11/02 (transferred to 10/00)
- N Heading after 11/04
Indexing scheme associated with group 10/00, relating to combustion in entrained fluidised beds. The indexing code should be unlinked.
- N Note(s) before 101:00
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 101:00 Combustion in entrained fluidised beds, i.e. fluidised beds which have no distinct upper surface

ANNEX 46	F 23 H	[Project-Rapporteur : 224/SE]	<CE26028E>
Title	GRATES (inlets for fluidisation air for fluidised bed combustion apparatus F 23 C 10/20); CLEANING OR ---		

ANNEX 47	F 23 J	[Project-Rapporteur : 224/SE]	<CE26029E>
1/00	--- from combustion chambers (devices for removal of material from the bed of fluidised bed combustion apparatus F 23 C 10/24)		

ANNEX 48	F 23 K	[Project-Rapporteur : 224/SE]	<CE26045E>
Title	--- COMBUSTION APPARATUS (fuel feeders specially adapted for fluidised bed combustion apparatus F 23 C 10/22; regulating or controlling ---		

ANNEX 49	F 23 L	[Project-Rapporteur : 224/SE]	<CE26030E>
Title	--- arrangements for combustion apparatus using fluent fuel, e.g. fluidised bed combustion apparatus, F 23 C; dampers ---		

ANNEX 50	F 23 N	[Project-Rapporteur : 224/SE]	<CE26142E>
Title	REGULATING OR CONTROLLING COMBUSTION (control devices specially adapted for fluidised bed combustion apparatus F 23 C 10/28)		

ANNEX 51	F 23 R	[Project-Rapporteur : 224/SE]	<CE26031E>
5/00	--- pulverulent fuel (fluidised bed combustion apparatus specially adapted for operation at superatmospheric pressures F 23 C 10/16)		

ANNEX 52	F 27	[Project-Rapporteur : 224/SE]	<CE26032E>
Note(s) after Title			
(1)	--- This class <u>covers</u> :		
	- --- open sintering apparatus and other similar apparatus for heat treatment of materials or articles, and details or ---		
	- the arrangement of ==>		

- (2) does not cover :
- N - combustion apparatus per se, i.e. apparatus for direct combination of oxygen gas and a burnable substance;
- electrical heating elements ==>

ANNEX 53	F 27 B	[Project-Rapporteur : 224/SE]	<CE26034E>
15/00	--- in dispersion (fluidised bed combustion apparatus F 23 C 10/00)		

ANNEX 54	G 01 C	[Project-Rapporteur : 291/EP]	<CE26040E>
Title	MEASURING DISTANCES, LEVELS, OR BEARINGS; SURVEYING; NAVIGATION; GYROSCOPIC ---		
21/00	--- or acceleration G 01 P; control of position, course, altitude or attitude of vehicles G 05 D 1/00; traffic control systems G 08 G)		
C 21/02	. by astronomical means (21/24, 21/26 take precedence; measuring ---		
C 21/04	. by terrestrial means (21/24, 21/26 take precedence; marking ---		
C 21/10	. --- or acceleration (21/24, 21/26 take precedence)		
C 21/20	. --- navigational calculations (21/24, 21/26 take precedence; adaptations of digital computers to a specific function or application G 06 F 17/00, 19/00)		
N 21/26	. specially adapted for navigation in a road network		
N 21/28	. . with correlation of data from several navigational instruments		
N 21/30	. . . Map- or contour-matching		
N 21/32	. . . . Structuring or formatting of map data		
N 21/34	. . Route searching; Route guidance		
N 21/36	. . . Input/output arrangements for on-board computers		

ANNEX 55	G 01 N	[Project-Rapporteur : 308/RU]	<CE26096E>
3/30	.	--- single impulsive force (investigating hardness by performing impressions under impulsive load 3/48)	
N 3/303	.	. . generated only by free-falling weight	
N 3/307	.	. . generated by a compressed or tensile-stressed spring; generated by pneumatic or hydraulic means	
N 3/31	.	. . generated by a rotating fly-wheel	
N 3/313	.	. . generated by explosives	
N 3/317	.	. . generated by electromagnetic means	
3/48		<Unchanged>	
3/60		<Unchanged>	

ANNEX 56	G 02 B	[Project-Rapporteur : 28/DE]	<CE26136E>
C Title		--- takes precedence; optical elements specially adapted for use in lighting devices or systems thereof F 21 V 1/00 to 13/00; measuring-instruments, <u>see</u> the ---	

ANNEX 57	G 04 B	[Project-Rapporteur : 293/EP]	<CE26087E>
Title		--- stop devices G 04 F 7/08; structural details or housings specially adapted for electronic time-pieces with no moving parts G 04 G 17/00)	

ANNEX 58	G 04 G	[Project-Rapporteur : 293/EP]	<CE26041E>
C 1/00		--- 3/00 to 19/00	
N 1/02	.	. Input or output devices integrated in time-pieces	
N 1/04	.	. . Detectors of external physical values, e.g. temperature	
N 1/06	.	. . using radio waves	

- N 1/08 . . using voice
- N 1/10 . . Touch switches specially adapted for time-pieces
- N 3/04 . Temperature-compensating arrangements
- N 17/00 Structural details; Housings
- N 17/02 . Component assemblies
- N 17/04 . . Mounting of electronic components
- N 17/06 . . Electric connectors, e.g. conductive elastomers
- N 17/08 . Housings
- N 19/00 Electric power supply circuits specially adapted for use in electronic time-pieces
- N 19/02 . Conversion or regulation of current or voltage
- N 19/04 . . Capacitive voltage division or multiplication
- N 19/06 . . Regulation
- N 19/08 . Arrangements for preventing voltage drop due to overloading the power supply
- N 19/10 . Arrangements for supplying back-up power
- N 19/12 . Arrangements for reducing power consumption during storage

ANNEX 59 G 05 D [Project-Rapporteur : 224/SE] <CE26033E>

Note(s)
after
Title

- N <== beverages on draught
- N F 23 C 10/28 Fluidised bed combustion apparatus
- N G 03 G 21/20 Electrographic, electrophotographic ==>

ANNEX 60 G 05 F [Project-Rapporteur : 293/EP] <CE26128E>

R Title --- systems G 01 S; regulation of current or voltage, specially adapted for use in electronic time-pieces G 04 G 19/02; closed-loop systems --- computers G 06 F 1/26; for obtaining desired operating characteristics of electromagnets with armatures H 01 F 7/18; regulating electric --- generators H 02 N, H 02 P 9/00; controlling transformers, --- circuits H 03 J; controlling generators of electronic oscillations or pulses H 03 L; regulating characteristics of transmission lines H 04 B; controlling electric light sources H 05 B 37/02, 39/04, 41/36; electric control of ---

ANNEX 61 G 05 G [Project-Rapporteur : 335/GB] <CE26123E>

C 3/00 Controlled members (gear shifter yokes F 16 H 63/32); Assemblies or ---

ANNEX 62 G 06 F [Project-Rapporteur : 294/EP] <CE26086E>

 9/46 . . Multiprogramming arrangements

N 9/48 . . . Programme initiating; Programme switching, e.g. by interrupt

N 9/50 . . . Allocation of resources, e.g. of the central processing unit (CPU)

N 9/52 . . . Programme synchronisation; Mutual exclusion, e.g. by means of semaphores

N 9/54 . . . Interprogramme communication

ANNEX 63 G 06 K [Project-Rapporteur : 295/GB] <CE26094E>

R C 9/00 --- nuclear particles G 01 T 5/02; testing patterns on paper currency or similar valuable papers G 07 D 7/20; speech recognition G 10 L 15/00)

ANNEX 64	G 07 D	[Project-Rapporteur : 295/GB]	<CE26093E>
7/00	--- record carrier G 06 K 5/00)		
N Note(s) after 7/00	In this group, groups 7/16 to 7/20 take precedence over groups 7/02 to 7/14		
N 7/02	. using electric means (7/04, 7/06 take precedence)		
N 7/04	. using magnetic means, e.g. detection of magnetic imprint		
N 7/06	. using wave or particle radiation		
N 7/08	. . Acoustic waves		
N 7/10	. . Microwaves		
N 7/12	. . Visible light, infra-red or ultra violet radiation		
N 7/14	. using chemical means		
N 7/16	. Testing the dimensions		
N 7/18	. Testing the stiffness		
N 7/20	. Testing patterns thereon		

ANNEX 64	G 07 D	[Project-Rapporteur : 309/GB]	<CE26097E>
C 3/00	--- coin weight G 01 G)		
C 5/00	--- its denominations 3/00)		

ANNEX 65	G 07 F	[Project-Rapporteur : 309/GB]	<CE26098E>
C Title	COIN-FREED OR LIKE APPARATUS (coin sorting G 07 D 3/00; coin testing G 07 D 5/00)		
D 3/00	(covered by G 07 D 3/00, 5/00, 13/00)		
D 3/02	(covered by G 07 D 5/00)		
D 3/04	(covered by G 07 D 3/00)		

9/00 --- arrangements 1/00; coin-actuated mechanisms, ---

ANNEX 66	G 08 G	[Project-Rapporteur : 291/EP]	<CE26085E>
Note(s) after Title			
N	-	<== of traffic offenders; indicating the position of vehicles for traffic control purposes;	
N	-	navigation systems for traffic control purposes, i.e. systems in which the navigation is not performed autonomously by or in the vehicles, but where the vehicles are guided by instructions transmitted to them; <Text deleted>	
	-	indication of free ==>	
1/09		<Unchanged>	
1/0962		. . having an indicator mounted inside the vehicle, e.g. giving voice messages	
1/0967		. . . Systems involving transmission of highway information, e.g. weather, speed limits (transmission of navigation instructions to the vehicle 1/0968)	
1/0968		. . . Systems involving transmission of navigation instructions to the vehicle	
1/123		. --- scheduled vehicles (transmission of navigation instructions to vehicles 1/0968)	

ANNEX 67	G 10 K	[Project-Rapporteur : 332/RU]	<CE26121E>
Title		---	PROVIDED FOR (fluid oscillators or pulse generators for fluid-pressure systems F 15 B 21/12; systems using the ---

- N 11/105 . . using a beam of light or a magnetic field for recording and a beam of light for reproducing, e.g. light-induced thermo-magnetic recording, Kerr effect reproducing
- N 11/11 . . using a beam other than a beam of light for recording
- N 11/115 . . using a beam other than a beam of light for reproducing
- N 11/24 . using recording by near-field interactions
- N 11/26 . . using microscopic probe means
- C 13/00 Recording simultaneously or selectively by methods or means covered by --- Reproducing simultaneously or selectively therefrom
- N Note(s)
after
13/00
- (1) This group covers arrangements in which there are at least two recordings of information involving two different methods or means or two different physical properties, at the same or different locations, on the same record carrier, the recordings being made or reproduced simultaneously or selectively.
- (2) Where such combinations of means are used for changing only one main property, classification is only made in one of the relevant main groups 3/00, 5/00, 7/00, 9/00 or 11/00.
- C 13/02 . magnetically and by styli (13/08 takes precedence)
- C 13/04 . magnetically and optically (13/08 takes precedence)
- C 13/06 . optically and by styli (13/08 takes precedence)
- N 13/08 . using near-field interactions or transducing means and at least one other method or means for recording or reproducing

ANNEX	69	G 11 C	[Project-Rapporteur : 232/GB]	<CE26171E>
N	7/10	.	Input/output (I/O) data interface arrangements, e.g. I/O data control circuits, I/O data buffers (level conversion circuits in general H 03 K 19/0175)	
N	7/14	.	Dummy cell management; Sense reference voltage generators	

ANNEX	69	G 11 C	[Project-Rapporteur : 267/GB]	<CE26037E>
C	5/14	.	Power supply arrangements (auxiliary circuits for stores using semiconductor devices 11/4063, 11/413, 11/4193; in general G 05 F, ---	
	7/00	---	takes precedence; auxiliary circuits for stores using semiconductor devices 11/4063, 11/413, 11/4193)	
	8/00	---	digital store (auxiliary circuits for stores using semiconductor devices 11/4063, 11/413, 11/4193)	
N	11/35	.	. . . with charge storage in a depletion layer, e.g. charge coupled devices	
	11/401	.	. . . . --- or charge regeneration, i.e. dynamic cells	
	11/402		<Unchanged>	
	11/403		<Unchanged>	
	11/406		<Unchanged>	
N	11/4063	.	. . . . Auxiliary circuits, e.g. for addressing, decoding, driving, writing, sensing or timing	
N	11/4067	.	. . . . . for memory cells of the bipolar type	
	11/407	.	. . . . . for memory cells of --- field-effect type	
N	11/4072	.	. . . . . Circuits for initialization, powering up or down, clearing memory or presetting	

- N 11/4074 Power supply or voltage generation circuits, e.g. bias voltage generators, substrate voltage generators, back-up power, power control circuits
- N 11/4076 Timing circuits (for regeneration management 11/406)
- N 11/4078 Safety or protection circuits, e.g. for preventing inadvertent or unauthorised reading or writing; Status cells; Test cells
- 11/408 <Add one dot>
- 11/409 Read-write (R-W) circuits
- N 11/4091 Sense or sense/refresh amplifiers, or associated sense circuitry, e.g. for coupled bit-line precharging, equalising or isolating
- N 11/4093 Input/output (I/O) data interface arrangements, e.g. data buffers (level conversion circuits in general H 03 K 19/0175)
- N 11/4094 Bit-line management or control circuits
- N 11/4096 Input/output (I/O) data management or control circuits, e.g. reading or writing circuits, I/O drivers, bit-line switches
- N 11/4097 Bit-line organisation, e.g. bit-line layout, folded bit lines
- N 11/4099 Dummy cell treatment; Reference voltage generators
- 11/41 <Unchanged>
- 11/413 --- power reduction
- 11/416 Read-write (R-W) circuits

11/419	. . . . .	Read-write (R-W) circuits
N 11/4193	. . .	Auxiliary circuits specific to particular types of semiconductor storage devices, e.g. for addressing, driving, sensing, timing, power supply, signal propagation (11/4063, 11/413 take precedence)
N 11/4195	. . . .	Address circuits
N 11/4197	. . . .	Read-write (R-W) circuits
N 16/08	. . .	Address circuits; Decoders; Word-line control circuits
N 16/10	. . .	Programming or data input circuits
N 16/12	. . . .	Programming voltage switching circuits
N 16/14	. . . .	Circuits for erasing electrically, e.g. erase voltage switching circuits
N 16/16	. . . . .	for erasing blocks, e.g. arrays, words, groups
N 16/18	. . . .	Circuits for erasing optically
N 16/20	. . . .	Initialising; Data preset; Chip identification
N 16/22	. . .	Safety or protection circuits preventing unauthorised or accidental access to memory cells
N 16/24	. . .	Bit-line control circuits
N 16/26	. . .	Sensing or reading circuits; Data output circuits
N 16/28	. . . .	using differential sensing or reference cells, e.g. dummy cells
N 16/30	. . .	Power supply circuits
N 16/32	. . .	Timing circuits
N 16/34	. . .	Determination of programming status, e.g. threshold voltage, overprogramming or underprogramming, retention
19/00	---	e.g. shift registers (counting chains H 03 K 23/00)

- C 19/14 . --- semiconductor elements (19/34 takes precedence)
- C 19/28 . using semiconductor elements (19/14, 19/36 take precedence)
- N 19/34 . using storage elements with more than two stable states represented by steps, e.g. of voltage, current, phase, frequency
- N 19/36 . . using semiconductor elements
- N 19/38 . two-dimensional, e.g. horizontal and vertical shift registers

ANNEX 70 G 12 B [Project-Rapporteur : 266/EP] <CE26144E>

N Note(s)

R

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) The following is a list of places where specific applications using scanning-probe techniques are provided for:
- | | |
|---------------|---|
| C 23 C | Surface treatment of metallic material |
| G 01 B | Dimensional measurement |
| G 01 N 13/10 | Investigating or analysing surface structures in atomic ranges |
| G 11 B 9/12, | |
| G 11 B 11/24, | |
| G 11 B 13/08 | Recording or reproducing information |
| H 01 J 37/00 | Discharge tubes with provision for introducing objects or material to be exposed to the discharge |
| H 01 L | Processes or apparatus adapted for the treatment of semiconductors or solid state devices |

ANNEX	71	H 01 B	[Project-Rapporteur : 268/GB]	<CE26038E>
C	5/02	.	Single bars, rods, wires or strips; Bus-bars (aspects of connection with their counterparts H 01 R 25/00; bus-bar layouts H 02 B 1/20; installations of bus-bars H 02 G 5/00)	
N	7/17	.	Protection against damage caused by external factors, e.g. sheaths or armouring (power cables with screens 9/02; communication cables with screens 11/06; installation of conduits H 02 G)	
C	7/18	.	. . by wear, mechanical force or pressure	
C	7/20 to 7/26		<Add one dot>	
C	7/28	.	. . by moisture, corrosion, chemical attack or weather	
N	7/282	.	. . . Preventing penetration of fluid into conductor or cable (insulators or insulating bodies with surfaces specially treated for preserving insulating properties, e.g. for protection against moisture, dirt, or the like, 17/50)	
N	7/285	.	. . . . by completely or partially filling interstices in the cable	
N	7/288	.	. . . . . using hygroscopic material or material swelling in the presence of liquid	
N	7/29	.	. . by extremes of temperature or by flame (7/42 takes precedence)	
N	7/295	.	. . . using material resistant to flame	
D	7/34		(transferred to 7/29, 7/42)	
N	7/38	.	. with arrangements for facilitating removal of insulation	
N	7/40	.	. with arrangements for facilitating mounting or securing	
N	7/42	.	. with arrangements for heat dissipation or conduction (insulators or insulating bodies having heating or cooling devices 17/54)	

15/00 --- from cables (insulated conductors or cables with arrangements for facilitating removal of insulation 7/38; methods or apparatus specially adapted for removing insulation ---

ANNEX 71	H 01 B	[Project-Rapporteur : 311/EP]	<CE26095E>
N 13/004	.	for manufacturing rigid-tube cables	
N 13/008	.	for manufacturing extensible conductors or cables	
N 13/012	.	for manufacturing wire harnesses	
N 13/016	.	for manufacturing co-axial cables (applying discontinuous insulation 13/20)	
N 13/34	.	for marking conductors or cables	

ANNEX 72	H 01 L	[Project-Rapporteur : 269/GB]	<CE26084E>
C 21/18	.	. . . --- bodies comprising elements of the fourth group of --- doping materials	

N Note(s)
after
21/18

This group covers also processes and apparatus which, by using the appropriate technology, are clearly suitable for manufacture or treatment of devices whose bodies comprise elements of the fourth group of the Periodic System or A III B_v compounds, even if the material used is not explicitly specified.

ANNEX 73	H 01 R	[Project-Rapporteur : 28/DE]	<CE26138E>
25/14	.	--- their length (supporting elements for lighting devices, displaceable along guiding elements and making electrical contact with conductors running along the guiding elements F 21 V 21/35; installations of bus-bars H 02 G 5/00)	

ANNEX 74	H 02 G	[Project-Rapporteur : 268/GB]	<CE26039E>
Title	--- AND ELECTRIC CABLES OR LINES (insulated conductors or cables with arrangements for facilitating mounting or securing H 01 B 7/40; distribution points incorporating ---		
1/12	. --- cutters in general B 26 B; insulated conductors or cables with arrangements for facilitating removal of insulation H 01 B 7/38)		

ANNEX 75	H 02 J	[Project-Rapporteur : 293/EP]	<CE26088E>
Title	--- radiation G 01 T 1/175; electric power supply circuits specially adapted for use in electronic time-pieces with no moving parts G 04 G 19/00; for digital computers G 06 F 1/18; ---		

ANNEX 76	H 02 M	[Project-Rapporteur : 293/EP]	<CE26089E>
Title	--- REGULATION THEREOF (conversion of current or voltage specially adapted for use in electronic time-pieces with no moving parts G 04 G 19/02; systems for regulating electric ---		

ANNEX 77	H 03 K	[Project-Rapporteur : 293/EP]	<CE26092E>
17/96	. . Touch switches (specially adapted for electronic time-pieces with no moving parts G 04 G 1/10)		

ANNEX 78	H 03 M	[Project-Rapporteur : 238/RU]	<CE26140E>
C 13/00	--- error detection or error correction; Coding theory basic assumptions; Coding bounds; Error probability evaluation methods; Channel models; Simulation or testing of codes (error detection or error correction for ---		

ANNEX 79	H 04 L	[Project-Rapporteur : 312/GB]	<CE26043E>
25/00	Baseband systems		
N 25/05	. . Electric or magnetic storage of signals before transmitting or retransmitting for changing the transmission rate		
D 25/36	(transferred to 25/05)		
D 25/50	(transferred to 25/05)		
27/00	Modulated-carrier systems		

ANNEX 80	H 04 N	[Project-Rapporteur : 304/GB]	<CE26042E>
C 5/30	. --- details 3/00; transforming acoustic waves into electric information G 01 S 7/52, 15/89; light transforming elements ---		
D 5/31	(covered by G 01 S 7/52, 15/89)		

ANNEX 4	A 61 K	[Project/Rapporteur: 139/EP]	<CE26146E>
N	Notes after 31/00	(1) Attention is drawn to the Notes in class C 07, for example the Notes following the title of subclass C 07 D, setting forth the rules for classifying organic compounds in that class, which rules are also applicable, if not otherwise indicated, to the classification of organic compounds in group 31/00. (2) Salts or complexes of organic active compounds are classified according to the base active compounds. If a complex is formed between two or more active compounds, classification is made in the last appropriate place. (3) Organic active compounds forming salts or complexes with heavy metals are not classified in groups 31/28, 31/555 or 31/7135, unless explicit indication to the contrary is made, e.g. hemin 31/555, cyanocobalamin 31/714. (4) In this group, the expressions “containing further heterocyclic rings” and “condensed with heterocyclic rings” also <u>cover</u> compounds having two or more identical heterocyclic rings.	R
N	Note after 31/195	In this group, the expression “amino group” also <u>covers</u> “acyl amino group”.	
N	31/197	. . . . the amino and the carboxyl groups being attached to the same acyclic carbon chain, e.g. gamma-aminobutyric acid (GABA), beta-alanine, epsilon-aminocaproic acid, pantothenic acid (carnitine 31/205)	R
	31/20	. . . . having a carboxyl group bound to an acyclic chain of seven or more carbon atoms, e.g. stearic, palmitic or arachidic acid	R
C	31/26	. . Cyanate or isocyanate esters; Thiocyanate or isothiocyanate esters	
	31/275	<Restore original entry>	R
	31/46	. . . . 8-Azabicyclo [3.2.1] octane; ---	R

	31/465	<delete one dot>	
D	31/5055	<Delete new entry, becomes 31/513>	R
D	31/5065	<Delete new entry, becomes 31/517>	R
D	31/507	<Delete new entry, becomes 31/519>	R
D	31/5075	<Delete new entry, becomes 31/527>	R
D	31/508	<Delete new entry, becomes 31/529>	R
	31/51	<Add one dot>	
N	31/513	. . . . . having oxo groups directly attached to the heterocyclic ring, e.g. cytosine	
	31/515	<Add one dot>	
N	31/517	. . . . .ortho- or peri-condensed with carbocyclic ring systems, e.g. quinazoline, perimidine	
N	31/519	. . . . . ortho- or peri-condensed with heterocyclic rings	
C	31/52	. . . . . Purines, e.g. adenine	R
N	31/522	. . . . . having oxo groups directly attached to the heterocyclic ring, e.g. hypoxanthine, guanine, acyclovir	R
	31/525	<Add one dot>	
N	31/527	. . . . . spiro-condensed	
N	31/529	. . . . . forming part of bridged ring systems	
	31/53	--- hetero atoms, e.g. chlorazanil, melamine (melarsoprol 31/555)	R
	31/555	--- metals, e.g. hemin, hematin, melarsoprol	R
D	31/645	(covered by 31/00)	R
	31/655	. Azo (-N=N-), diazo (=N ₂), azoxy (>N-O-N< or N(=O)-N<), azido (-N ₃) or diazoamino (-N=N-N<) compounds	R

ANNEX 33 F 21 [Project/Rapporteur: 28/DE] <CE26148E>

Note(s)
after Title

- D <Former Note (1) deleted>
- N (1) If the disclosure gives no indication as to whether it relates to electrical means or not, it should be classified as if it were in fact electric.
- (2) Attention is drawn to Note III following the Contents of Section H.
- N (3) Attention is drawn to the following places:
- A01G 9/20 Lights for cultivation in receptacles, forcing frames, greenhouses
 - A01K 63/06 Aquaria
 - A01K 75/02 Fishing nets
 - A01K 85/01 Fishing baits
 - A01M 1/04 Catching insects
 - A21B 3/10 Baker's ovens
 - A45B 3/02 Sticks
 - A45C 15/06 Bags, purses, or the like
 - A45D 33/32 Toilet or cosmetic powder containers
 - A45D 42/10 Shaving mirrors
 - A47F 11/10 Shop windows or showcases
 - A47L 9/30 Suction cleaners
 - A61B 1/00 Medical instruments for examining body cavities or tubes
 - A61C 13/15 Curing dental plastics prostheses by light action
 - A61H 15/02 Massage adapted for simultaneous treatment with light
 - A61N 5/06 Radiation therapy
 - A63B 15/02 Clubs
 - A63B 43/06 Balls
 - A63C 17/26 Roller skates or skate boards
 - A63H 1/24 Tops
 - A63H 17/28 Toy vehicles
 - A63H 19/20 Model railways

B25B	23/18	Spanners, wrenches, screwdrivers
B26B	19/46	Hair clippers or dry shavers
B26B	21/46	Accessories for razors
B41B	21/08	Photographic composing machines
B41J	29/19	Typewriters or selective printing machines
B43K	29/10	Writing implements
B44D	3/24	Lamps for baking lacquers used in painting or artistic drawing
B60Q		Arrangement of signalling or lighting devices, the mounting or supporting thereof or circuits therefor, for vehicles in general
B61D	29/00	Railway vehicles
B61L	5/18	Railway light signals
B61L	9/00	Points, form signals, or gates
B62J	6/00	Cycles
B63B	45/00	Ships
B63C	9/20	Life-buoys, life-belts, lifejackets
B64D	47/02	Aircraft
B67D	5/66	Apparatus for transferring liquids
D05B	79/00	Sewing machines
E01F	9/016	Road signs
E01F	9/053	Road surface markings
E04H	15/10	Tents or canopies
E05B	17/10	Locks or keys
F24F	3/056	Air conditioning systems
F24F	13/078	Outlets for directing air into rooms or spaces combined with lighting fixtures
F25D	27/00	Cooling or freezing apparatus
F27D	21/02	Furnaces, kilns, ovens or retorts
F41G	1/35	Night sights
G01C	9/32	Levels
G01C	17/24	Compasses
G01D	11/28	Measuring arrangements
G01G	23/30	Weighing apparatus
G01K	1/06	Thermometers
G01P	1/08	Speedometers
G01R	1/08	Instruments for measuring
G02B	21/06	Microscopes
G02B	25/02	Magnifying glasses
G02B	27/20	Light-pointers
G02B	27/34	Optical instruments
G02C	11/04	Spectacles
G02F	1/1335	Liquid crystals
G02F	1/157	Electrochromic cells

G03B	15/02	Illuminating scene for taking photographs
G03B	15/03	Cameras
G03B	27/16	Contact photographic printing
G03B	27/54	Projection photographic printing
G04B	19/30	Clocks
G04C	17/02	Time indicating by electric lamps
G04C	19/02	Time signalling by electric lamps
G08B	5/36	Visible signalling or calling systems
G08B	17/103	Actuation of fire alarms
G08G	1/095	Traffic lights
G09F	13/00	Illuminated signs
G09F	19/22	Advertising or display means on roads or walls
G09F	21/10,	
G09F	21/14	Aircraft advertising
G09F	21/20	Advertising on ships
G09F	23/04	Illuminated advertising on or in specific articles
G12B	11/00	Indicating elements of instruments
H01H	73/14	Indicating lamps in circuit-breaker switches
H01H	85/32	Indicating lamps in fuses
H01Q	1/06	Lighting of aerials
H01R	13/717	Coupling devices with built-in light bulbs
H03K	21/20	Pulse counter or frequency divider indicators using glow-discharge lamps
H04M	1/22	Illuminating of telephone substation equipment

ANNEX 34	F 21 H	[Project/Rapporteur: 28/DE]	<CE26150E>
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	Title	INCANDESCENT MANTLES; OTHER ---
D	1/04	(transferred to F 21 V 19/06)
	5/00	--- bodies (incandescent mantles 1/00)

ANNEX 35	F 21 K	[Project/Rapporteur: 28/DE]	<CE26152E>
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C	2/00	--- using luminescence (luminescent materials C 09 K 11/00; selection of luminescent --- H 01 J 65/06, 65/08; transforming the wavelength of the light of gas- or vapour-discharge lamps by luminescence H 01 J 61/42; electroluminescent ---
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ANNEX 36	F 21 L	[Project/Rapporteur: 28/DE]	<CE26154E>
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C	Title	LIGHTING DEVICES OR SYSTEMS THEREOF, BEING PORTABLE OR SPECIALLY ADAPTED FOR TRANSPORTATION
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N	Note(s) after Title	
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- (1) This subclass covers devices or systems designed or specially adapted to be carried , e.g. by hand, or otherwise transported from place to place, e.g. on wheeled supports, in order to provide illumination as and where required.
- (2) This subclass does not cover devices or systems intended for fixed installation, e.g. vehicle lighting, or for use essentially at a permanent location, which are covered by subclass F 21 S.
- (3) In this subclass, it is desirable to add the indexing codes of subclasses F 21 W and F 21 Y. The indexing codes should be unlinked.

Guide Heading before 1/00	<u>Electric lighting</u>
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D	1/00	(transferred to 14/00)
N	2/00	Systems of lighting devices
D	3/00	(transferred to 14/00)
N	4/00	Devices with self-contained electric batteries or cells

- N 4/02 . characterised by provision of two or more light sources
- N 4/04 . characterised by provision of a light source housing portion adjustably fixed to the remainder of the device
- N 4/06 . with light source coupled to the remainder of the device solely by cable
- N 4/08 . characterised by means for in situ recharging of the batteries or cells
- D 5/00 (transferred to 14/00)
- D 7/00 (transferred to 4/00)
- D 9/00 (transferred to 4/00)
- D 11/00 (transferred to 4/00)
- C 13/00 Devices with built-in electric generators (with solar cells 4/00)
- N 14/00 Devices without a self-contained power source, e.g. for mains connection
- N 14/02 . capable of hand-held use, e.g. inspection lamps
- N 14/04 . carried on wheeled supports
- D 15/00 (transferred to F 21 V)
- D 15/02 (transferred to F 21 V 1/00 to 14/00)
- D 15/04 (covered by F 21 V 9/00 to 13/00)
- D 15/06 (transferred to F 21 V)
- D 15/08 (transferred to F 21 V 21/00)
- D 15/10 (transferred to F 21 V 21/00)
- D 15/12 (transferred to F 21 V 21/40)

D	15/14	(transferred to F 21 V 21/084, 21/088)
D	15/16	(transferred to F 21 V 21/092)
D	15/18	(transferred to F 21 V 21/096)
D	15/20	(transferred to F 21 V 21/14)
D	15/22	(covered by F 21 V 27/00)
	Guide Heading before 17/00	<u>Non-electric lighting</u> (candle holders ---
D	19/02	(transferred to F 21 V 17/00, 37/00)
D	19/04	(transferred to F 21 V 37/02)
D	25/00	(transferred to F 21 V)
	27/00	Devices or systems employing combinations --- or <u>vice versa</u>

ANNEX 37	F 21 M	[Project/Rapporteur: 28/DE]	<CE26156E>
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D	F 21 M	(transferred to F 21 S, V)
D	1/00	(transferred to F 21 S 2/00, 6/00, 8/00)
D	3/00	(transferred to F 21 S 8/10)
D	3/02	(transferred to F 21 S 8/10)
D	3/05	(transferred to F 21 S 8/12)
D	3/08	(covered by F 21 V 7/00)
D	3/10	(transferred to F 21 S 8/10)
D	3/12	(covered by F 21 V 5/00)

D	3/14	(covered by F 21 V 11/00)
D	3/16	(covered by F 21 V 7/00)
D	3/18	(transferred to F 21 V 14/00)
D	3/20	(transferred to F 21 V 7/16, 14/04)
D	3/22	(transferred to F 21 V 14/02)
D	3/24	(transferred to F 21 S 10/06)
D	3/25	(transferred to F 21 S 8/10, 10/00, covered by F 21 V 9/08)
D	3/26	(transferred to F 21 S 8/10, covered by F 21 V 9/14)
D	3/28	(transferred to F 21 S 8/10)
D	3/30	(transferred to F 21 S 8/10)
D	5/00	(covered by F 21 S 9/00)
D	5/02	(covered by F 21 S 9/02)
D	5/04	(covered by F 21 S 9/04)
D	7/00	(transferred to F 21 V)
D	9/00	(covered by F 21 S 13/00, 15/00)
D	11/00	(covered by F 21 S 13/00, 15/00)
D	13/00	(transferred to F 21 V)
D	15/00	(covered by F 21 S 19/00)

ANNEX 38	F 21 P	[Project/Rapporteur: 28/DE]	<CE26158E>
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D	F 21 P	(transferred to F 21 S, V)
D	1/00	(transferred to F 21 S, V)

D	1/02	(transferred to F 21 S, V)
D	1/04	(transferred to F 21 S, V)
D	3/00	(transferred to F 21 S 10/00 to 19/00, F 21 V)
D	5/00	(transferred to F 21 S, V)
D	5/02	(transferred to F 21 S, V)
D	5/04	(transferred to F 21 S, V)
D	7/00	(transferred to F 21 S, V)

ANNEX 39	F 21 Q	[Project/Rapporteur: 28/DE]	<CE26160E>
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D	F 21 Q	(transferred to F 21 S)
D	1/00	(transferred to F 21 S 8/10, 13/00 to 19/00)
D	3/00	(transferred to F 21 S)
D	3/02	(transferred to F 21 S)
D	5/00	(covered by F 21 S 19/00)

ANNEX 40	F 21 S	[Project/Rapporteur: 28/DE]	<CE26162E>
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C	Title	NON-PORTABLE LIGHTING DEVICES OR SYSTEMS THEREOF
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N	Note(s) after Title	
		(1) This subclass <u>covers</u> devices or systems intended for fixed installation, e.g. vehicle lighting, or for use at a permanent location, e.g. free-standing floor- or table-lamps.
		(2) This subclass <u>does not cover</u> devices or systems specially adapted for transportation, which are covered by subclass F 21 L.
		(3) In this subclass, it is desirable to add the indexing codes of subclasses F 21 W and F 21 Y. The indexing codes should be <u>unlinked</u> .
D	1/00 to 1/14	(transferred to 2/00, 6/00, 8/00)
	Guide Heading before 2/00	<u>Electric lighting</u>
N	2/00	Systems of lighting devices, not provided for in main groups 4/00 to 10/00, e.g. of modular construction
D	3/00 to 3/14	(transferred to 2/00, 6/00, 8/00)
N	4/00	Devices or systems using a string or strip of light sources
D	5/00	(transferred to 2/00, 6/00, 8/00)
N	6/00	Devices intended to be free-standing (9/00, 10/00 take precedence)
D	7/00	(transferred to 2/00, 6/00, 8/00)
N	8/00	Devices intended for fixed installation (9/00, 10/00 take precedence; using a string or strip of light sources 4/00)

- N 8/02 . of recess-mounted type, e.g. downlighters (8/10 takes precedence)
- N 8/04 . intended only for mounting on a ceiling or like overhead structure (8/02 takes precedence)
- N 8/06 . . by suspension
- N 8/08 . with a standard
- N 8/10 . specially adapted for vehicles (arrangement of signalling or lighting devices, the mounting or supporting thereof or circuits therefor, for vehicles in general B 60 Q)
- N 8/12 . . providing a single shaped beam, e.g. asymmetric beam, e.g. for penetrating fog or for preventing glare
- 9/00 Devices with a built-in power supply; Systems employing such devices
- N 9/03 . . rechargeable by exposure to light
- N 10/00 Devices or systems producing a varying lighting effect
- N 10/02 . changing colours (10/04 takes precedence)
- N 10/04 . simulating flames
- N 10/06 . flashing, e.g. with rotating reflector or light source
- Guide
Heading
before
11/00 Non-electric lighting (candle holders F 21 V 35/00; burners, combustion apparatus F 23)
- 11/00 Devices or systems using ---
- 13/00 Devices or systems employing a point-like light source; Devices or systems employing ---

- 15/00 Devices or systems employing ---
- D 17/00 (transferred to F 21 V)
- D 17/02 (transferred to F 21 V 17/00, 37/00)
- D 17/04 (transferred to F 21 V 37/02)
- 19/00 Devices or systems employing ---

ANNEX 41	F 21 V	[Project/Rapporteur: 28/DE]	<CE26164E>
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C	Title	FUNCTIONAL FEATURES OR DETAILS OF LIGHTING DEVICES OR SYSTEMS THEREOF; STRUCTURAL COMBINATIONS OF LIGHTING DEVICES WITH OTHER ARTICLES, NOT OTHERWISE PROVIDED FOR
N	Note(s) after Title	In this subclass, it is desirable to add the indexing codes of subclasses F 21 W and F 21 Y. The indexing codes should be <u>unlinked</u> .
C	5/08	. --- light distribution
D	7/02	(covered by 7/00)
C	7/04	. Optical design (7/22 takes precedence)
C	7/05 to 7/09	<delete one dot>
C	7/10	. Construction (7/22 takes precedence)
D	7/12, 7/14	(covered by 7/00)
C	7/16 to 7/18	<add one dot>
C	7/20	. . specially adapted for facilitating cooling ---

- C 13/00 Producing particular characteristics or distribution of the light emitted by means of a combination of elements specified --- main groups 1/00 to 11/00 (by means of a combination of two or more elements --- single one of main groups --- the relevant group; changing the characteristics or distribution of the light emitted by adjustment of parts 14/00)
- N 14/00 Changing the characteristics or distribution of the light emitted by adjustment of parts (reflectors with provision for adjusting the curvature 7/16; light filters with provision for variation of colour or intensity 9/10; screens using iris-type diaphragms 11/10; adjustable mountings for lighting devices 21/14)
- N 14/02 . by movement of light sources
- N 14/04 . by movement of reflectors
- N 14/06 . by movement of refractors
- N 14/08 . by movement of screens
- 15/00 Protecting lighting devices from damage (cooling or heating arrangements 29/00; gas-tight or water-tight arrangements 31/00)
- N 15/01 . Housings, e.g. material or assembling of housing parts (15/02 takes precedence)
- N 15/015 . . Devices for covering joints between adjacent lighting devices; End coverings
- N 15/06 . Thermal insulation
- 17/00 Fastening of component parts of lighting devices, e.g. shades, globes, refractors, reflectors, filters, screens, grids or protective cages (of light sources or light holders 19/00; gas-tight or water-tight arrangements 31/00)

- C 19/02 . with provision for adjustment, e.g. for focusing (changing the characteristics or distribution of the light emitted by adjustment of parts 14/00)
- C 19/06 . Fastening incandescent mantles or other incandescent bodies to lamp parts; Suspension devices for incandescent mantles or other incandescent bodies
- C 21/00 Supporting, suspending, or attaching arrangements for lighting devices (17/00, 19/00 take precedence; arrangement of signalling or lighting devices, the mounting or supporting thereof or circuits therefor, for vehicles in general B 60 Q; stands for supporting apparatus or articles in general F 16 M 11/00); Hand grips
- N 21/002 . making direct electrical contact, e.g. by piercing (21/35 takes precedence)
- N 21/005 . for several lighting devices in an end-to-end arrangement, i.e. light tracks
- N 21/008 . Suspending from a cable or suspension line
- 21/02 . --- or floor bases; Fixing pendants ---
- N 21/03 . . Ceiling bases, e.g. ceiling roses (21/04 takes precedence)
- 21/08 . Devices for easy attachment to a desired place
- N 21/084 . . Head fittings (for medical purposes A 61 B 1/06)
- N 21/088 . . Clips; Clamps
- N 21/092 . . Suction devices
- N 21/096 . . Magnetic devices
- N 21/104 . . Pendants
- N 21/108 . . Arms
- N 21/112 . . Fixing lighting devices to pendants (21/002 takes precedence)

- N 21/116 . . Fixing lighting devices to arms or standards (21/002 takes precedence)
- N 21/13 . Spring-loaded poles fixed at both ends
- N 21/15 . . specially adapted for power operation, e.g. by remote control
- 21/34 . Supporting elements displaceable along a guiding element
- N 21/35 . . with direct electrical contact between the supporting element and electric conductors running along the guiding element
- N 21/40 . Hand grips
- 23/00 Arrangement of electric ---
- 23/06 . the elements being coupling devices
- N 27/02 . Cable inlets
- C 29/00 Cooling or heating arrangements (air-treatment systems with air-flow over lighting fixtures F 24 F 3/056; lighting fixtures combined with outlets for air-treatment systems F 24 F 13/078)
- N 29/02 . Cooling by forcing air over or around the light source (cooling arrangements structurally associated with electric lamps H 01 J 61/52, H 01 K 1/58)
- D 31/02 (covered by 31/00)
- N 31/03 . with provision for venting
- C 33/00 Structural combinations of lighting devices with other articles, not otherwise provided for
- N Note
after
33/00 Attention is drawn to Note (3) following the title of class F 21.

C	37/00	Details of lighting devices employing combustion as light source, not otherwise provided for
N	37/02	. Special adaptation for protection against draughts

ANNEX 42	F 21 W	[Project/Rapporteur: 28/DE]	<CE26166E>
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N	Title	INDEXING SCHEME ASSOCIATED WITH SUBCLASSES F 21 L, S and V, RELATING TO USES OR APPLICATIONS OF LIGHTING DEVICES OR SYSTEMS
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N	Note(s) after Title	
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- (1) This subclass constitutes an indexing scheme associated with subclasses F 21 L, S and V, relating to uses or applications of lighting devices or systems. The indexing codes should be unlinked.
- (2) 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	Use or application of lighting devices on or in vehicles
N	101:02	. for land vehicles
N	101:023	.. for cycles
N	101:027	... for motorcycles
N	101:04	. for water vehicles
N	101:06	. for aircraft
N	101:08	. Interior lights
N	101:10	. Head-, spot- or fog-lights

N	101:12	. Direction indicator lights
N	101:14	. Rear or stop lights
N	111:00	Use or application of lighting devices or systems for signalling, marking or indicating, not provided for in group 101:00
N	111:02	. for roads, paths or the like
N	111:023	.. for pedestrian walkways
N	111:027	.. for indicating kerbs, steps or stairs
N	111:04	. for waterways
N	111:043	.. for lighthouses or lightships
N	111:047	.. for light-buoys
N	111:06	. for aircraft runways or the like
N	111:08	. for handles or handrails
N	111:10	. for personal use, e.g. hand-held
N	121:00	Use or application of lighting devices or systems for decorative purposes
N	121:02	. for fountains
N	121:04	. for Christmas trees
N	121:06	. for personal wear
N	131:00	Uses or applications of lighting devices or systems not provided for in groups 101:00 to 121:00
N	131:10	. Outdoor lighting
N	131:101	.. of tunnels or the like, e.g. under bridges

N	131:103	.. of streets or roads
N	131:105	.. of arenas or the like
N	131:107	.. of the exterior of buildings
N	131:109	.. of gardens
N	131:20	. Lighting for medical use
N	131:202	.. for dentistry
N	131:205	.. for operating theatres
N	131:208	.. for hospital wards
N	131:30	. Lighting for domestic or personal use
N	131:301	.. for furniture
N	131:302	.. for mirrors
N	131:304	.. for pictures
N	131:305	.. for refrigerators
N	131:307	.. for ovens
N	131:308	.. for aquaria
N	131:40	. Lighting for industrial, commercial, recreational or military use
N	131:401	.. for swimming pools
N	131:402	.. for working places
N	131:403	.. for machines
N	131:4035	... for sewing machines
N	131:405	.. for shop-windows or displays

N	131:406	.. for theatres, stages or film studios
N	131:407	.. for indoor arenas
N	131:409	.. for furnaces or kilns
N	131:411	.. for inspection of the interior of hollow structures, e.g. vessels, tubes

ANNEX 43	F 21 Y	[Project/Rapporteur: 28/DE]	<CE26168E>
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N	Title	INDEXING SCHEME ASSOCIATED WITH SUBCLASSES F 21 L, S and V, RELATING TO THE FORM OF THE LIGHT SOURCES
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N	Note(s) after Title	
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- (1) This subclass constitutes an indexing scheme associated with subclasses F 21 L, S and V, relating to the form of the light sources. The indexing codes should be unlinked.
- (2) 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	Point-like light sources
N	101:02	. Miniature, e.g. light emitting diodes (LED)
N	103:00	Elongated light sources, e.g. fluorescent tubes
N	103:02	. curved, e.g. ring-shaped
N	103:025	.. U-shaped
N	105:00	Planar light sources

- N 111:00 Light sources of form not covered by preceding groups
 - N 113:00 Combination of light sources
 - N 113:02 . of different form
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[End of Technical Annexes and of document]