IPC/CE/32/12

TECHNICAL ANNEXES

ANNEX	1	A 47 J	[Project-Rapporteur : 385/PT]	<ce32040e></ce32040e>
	27/08	• Press	ure cookers; Lids or locking devices specially	adapted therefor
	36/00	as	these parts, details or accessories are restri	icted to
	36/06	• 27/08	for cooking-vessels (specially adapted for pre	essure cookers
	36/10	• •	- – Lid-locking devices	
ANNEX	2	A 61 F	[Project-Rapporteur : 386/US]	<ce32030e></ce32030e>
	4/00	Methods	s or devices enabling disabled persons to op	perate – – –
ANNEX	3	A 61 G	[Project-Rapporteur : 386/US]	<ce32028e></ce32028e>
	Title	ACCOM PERSOI A 61 H 3	PORT, PERSONAL CONVEYANCES, OF MODATION SPECIALLY ADAPTED FOR OR PATIENTS; OPERATING ————————————————————————————————————	OR DISABLED alking aids
	Subclass index			
			MEANS FOR DISPLACING DISABL PERSONS OR PATIENTS	ED 1/00 to 7/00
			BEDS; TREATMENT ROOMS; ==>	
D	Guide Heading before 1/00	<delet< td=""><td>ed></td><td></td></delet<>	ed>	
	1/003	break	facilities for picking up disabled persons or pa-away $$ endless belts (devices in general led persons $7/10$)	

	3/00	provisions for transporting disabled persons or their personal conveyances, e.g. for $$
	3/02	 Loading or unloading personal conveyances; Facilitating access of disabled persons to, or exit of disabled persons from, vehicles
	3/04	 Transfer of seated disabled persons by swinging – –
	5/00	Chairs or personal conveyances specially adapted for disabled persons, e.g. wheelchairs (chairs with toilet conveniences A 47 K 11/04; devices enabling disabled persons to operate an apparatus or device not forming part of the body A 61 F 4/00; running gear or propulsion features B 60 K; bicycles specially adapted for disabled riders B 62 K 3/16)
	Note(s) after 5/00	
		Chairs for disabled persons having removable $$ with the disabled person to a vehicle and support the disabled person during use $$
	5/02	 propelled by the disabled person
	Guide Heading after 5/14	Beds or accessories for disabled persons; Treatment rooms — —
	7/00	for nursing; Devices for lifting disabled persons (A 61 F 5/045 takes precedence; stretchers with facilities for picking up disabled persons 1/003)
	7/08	 Apparatus for transporting beds
	7/10	• Devices for lifting disabled persons, e.g. special – – –
	7/12	• • for hoisting the disabled person under the
	7/14	 facilitating both lifting and lateral movement of the disabled person
	7/16	<unchanged></unchanged>
NNEX	4	A 61 H [Project-Rapporteur : 386/US] <ce32029e></ce32029e>

3/00 Appliances for aiding disabled persons to walk about - - -

• Wheeled walking aids for disabled persons

ANNEX	5	A 61 K	[Project-Rapporteur : 412/EP]	<ce32009e></ce32009e>
	Note(s) after the title			
		(3)	In this subclass, with the exception of groabsence ——	up 8/00, in the
N	8/00		s or similar toilet preparations (casings or acc r handling of solid or pasty toilet or cosmetic st 2/00)	
N	Note(s) after 8/00			
		(1)	In each of groups 8/02 and 8/18, in the all indication of the contrary, classification is last appropriate place.	_
		(2)	Use of cosmetics or similar toilet prepara further classified in subclass A 61 Q.	etions is
		(3)	Attention is drawn to the Notes in class C example the Notes following the title of st C 07 D, setting forth the rules for classify compounds in that class, which rules are applicable, if not otherwise indicated, to classification of organic compounds in gr	ubclass ing organic also the
		(4)	Salts or complexes of organic compounds according to the base compounds. If a conformed between two or more compounds, is made in the last appropriate place.	mplex is
N	8/02	• charac	cterised by special physical form	
N	8/03	• • Liq	uid compositions with two or more distinct lay	ers
N	8/04	• • Dis	spersions; Emulsions	
N	8/06		Emulsions	
N	8/11	• • En	capsulated compositions	
N	8/14	• • Lip	posomes	
N	8/18	• chara	cterised by the composition	
N	8/19	• • con	ntaining inorganic ingredients	
N	8/20	• • •	Halogens; Compounds thereof	

N	8/21	• • • Fluorides; Derivatives thereof	
N	8/22	• • Peroxides; Oxygen; Ozone	
N	8/23	• • Sulfur; Selenium; Tellurium; Compounds thereof	
N	8/24	• • Phosphorus; Compounds thereof	
N	8/25	• • Silicon; Compounds thereof	
N	8/26	• • • Aluminium; Compounds thereof	
N	8/27	• • Zinc; Compounds thereof	
N	8/28	• • Zirconium; Compounds thereof	
N	8/29	• • Titanium; Compounds thereof	
N	8/30	containing organic compounds	
N	8/31	• • • Hydrocarbons	
N	8/33	• • containing oxygen	
N	8/34	• • • Alcohols	
N	8/35	• • • Ketones, e.g. quinones, benzophenone	
N	8/36	• • • Carboxylic acids; Salts or anhydrides thereof	
N	8/362	• • • • Polycarboxylic acids	
N	8/365	• • • • Hydroxycarboxylic acids; Ketocarboxylic acids	
N	8/368	• • • • with carboxyl groups directly bound to carbon of aromatic rings	itoms
N	8/37	• • • Esters of carboxylic acids	
N	8/38	• • • Percompounds, e.g. peracids	
N	8/39	• • • Derivatives containing from 2 to 10 oxyalkylene gr	oups
N	8/40	• • containing nitrogen (quinones containing nitrogen 8/3	5)
N	8/41	• • • Amines	
N	8/42	• • • • Amides	
N	8/43	• • • Guanidines	
N	8/44	• • • • Aminocarboxylic acids or derivatives thereof, e.g. aminocarboxylic acids containing sulfur; Salts, esta N-acylated derivatives thereof	ers or
N	8/45	• • • Derivatives containing from 2 to 10 oxyalkylene gr	oups
N	8/46	• • containing sulfur (8/44 takes precedence)	
N	8/49	• • containing heterocyclic compounds	
N	8/55	• • containing phosphorus	
N	8/58	• • containing atoms other than carbon, hydrogen, haloge oxygen, nitrogen, sulfur or phosphorus	en,
N	8/60	• • Sugars; Derivatives thereof	

N	8/63	Steroids; Derivatives thereof
N	Note(s) after 8/63	
		This group covers steroids, as defined in Note (1) after the title of subclass C 07 J .
N	8/64	• • Proteins; Peptides; Derivatives or degradation products thereof
N	8/65	• • • Collagen; Gelatin; Keratin; Derivatives or degradation products thereof
N	8/66	• • • Enzymes
N	8/67	• • • Vitamins
N	8/68	• • Sphingolipids, e.g. ceramides, cerebrosides, gangliosides
N	8/69	• • containing fluorine
N	8/70	• • • containing perfluoro groups, e.g. perfluoroethers
N	8/72	containing organic macromolecular compounds
N	8/73	• • • Polysaccharides
N	8/81	 obtained by reactions involving only carbon-to-carbon unsaturated bonds
N	8/84	 obtained by reactions other than those involving only carbon to-carbon unsaturated bonds
N	8/85	• • • Polyesters
N	8/86	• • • Polyethers
N	8/87	• • • Polyurethanes
N	8/88	• • • Polyamides
N	8/89	• • • Polysiloxanes
N	8/891	• • • • saturated, e.g. dimethicone, phenyl trimethicone
N	8/892	• • • • containing silicon bound to unsaturated aliphatic groups, e.g. vinyl dimethicone
N	8/893	• • • • containing atoms other than carbon and hydrogen in the side groups to the main chain
N	8/894	• • • • • side groups containing halogen, e.g. fluorosilicone
N	8/895	• • • • • side groups containing nitrogen, e.g. amodimethicone
N	8/896	• • • • side groups containing oxygen, e.g. dimethiconol
N	8/897	• • • • • • modified by an alkoxy group, e.g. behenoxy dimethicone

N	8/898	• • • •	 modified by a polyoxyalkylene g dimethicone copolyol 	group, e.g. cetyl
N	8/899	• • • •	• • side groups containing sulfur (8/89 precedence)	98 takes
N	8/90	• • • Bl	lock copolymers (8/89 takes precedence)	
N	8/91	• • • Gi	raft copolymers (8/89 takes precedence)	
N	8/92	• • Oils, prodi	fats or waxes; Derivatives thereof, e.g. hyducts	drogenation
N	8/96		nining materials, or derivatives thereof, of titution	undetermined
N	8/97	• • • of	vegetable origin, e.g. plant extracts	
N	8/98	• • • of	fanimal origin	
N	8/99	• • • fro	om micro-organisms	
ANNEX	6	A 61 P	[Project-Rapporteur : 412/EP]	<ce32033e></ce32033e>
ANNEX N	6 <i>17/18</i>	• Antioxid	[Project-Rapporteur: 412/EP] lants, e.g. antiradicals (preparations for property) A 61 Q 17/00)	
N		• Antioxid sunlight	lants, e.g. antiradicals (preparations for pr	
	17/18	• Antioxide sunlight A 61 Q	lants, e.g. antiradicals (preparations for pr A $61\ Q\ 17/00$)	cotection against CE32025E>
N ANNEX	17/18 7	• Antioxide sunlight A 61 Q	lants, e.g. antiradicals (preparations for propertion) A 61 Q 17/00) [Project-Rapporteur: 412/EP]	cotection against CE32025E>
N ANNEX N	17/18 7 Title Note(s) after	• Antioxide sunlight A 61 Q	lants, e.g. antiradicals (preparations for propertion) A 61 Q 17/00) [Project-Rapporteur: 412/EP]	<pre>crotection against <ce32025e> EPARATIONS Secs or similar s such in main</ce32025e></pre>
N ANNEX N	17/18 7 Title Note(s) after	• Antioxide sunlight A 61 Q USE OF CO	lants, e.g. antiradicals (preparations for property) A 61 Q 17/00) [Project-Rapporteur : 412/EP] OSMETICS OR SIMILAR TOILET PRE This subclass covers the use of cosmetitoilet preparations already classified a group A 61 K 8/00, in subclasses C 11	<pre>crotection against <ce32025e> EPARATIONS cs or similar s such in main D or C 12 N, or cification is also</ce32025e></pre>
N ANNEX N	17/18 7 Title Note(s) after	• Antioxide sunlight A 61 Q USE OF CO	lants, e.g. antiradicals (preparations for property A 61 Q 17/00) [Project-Rapporteur: 412/EP] OSMETICS OR SIMILAR TOILET PRE This subclass covers the use of cosmetitoilet preparations already classified at group A 61 K 8/00, in subclasses C 11 in classes C 01, C 07 or C 08. When classifying in this subclass, class made in subclass A 61 P if the preparations are propertied at the control of the classification of the control of the control of the classification of the control of the classification of the control of t	<pre>crotection against <ce32025e> EPARATIONS ics or similar s such in main D or C 12 N, or ification is also tion is stated to r similar toilet</ce32025e></pre>

N	1/00	Make-up preparations; Body powders; Preparations for removing make-up
N	1/02	• Preparations containing skin colorants, e.g. pigments (preparations in powder form 1/12)
N	1/04	• • for lips
N	1/06	• • • Lipsticks
N	1/08	• • for cheeks, e.g. rouge
N	1/10	• • for eyes, e.g. eyeliner, mascara
N	1/12	Face or body powders, e.g. for grooming, adorning or absorbing
N	1/14	Preparations for removing make-up
N	3/00	Manicure or pedicure preparations
N	3/02	Nail coatings
N	3/04	Nail coating removers
N	5/00	Preparations for care of the hair
N	5/02	Preparations for cleaning the hair
N	5/04	Preparations for permanent waving or straightening the hair
N	5/06	 Preparations for styling the hair, e.g. by temporary shaping or colouring
N	5/08	Preparations for bleaching the hair
N	5/10	Preparations for permanently dyeing the hair
N	5/12	Preparations containing hair conditioners
N	7/00	Preparations for affecting hair growth
N	Note(s) after 7/00	
		<u>Informative note</u>
		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:
		Preparations with therapeutic activity A 61 P 17/14.
N	7/02	Preparations for inhibiting or slowing hair growth
N	9/00	Preparations for removing hair or for aiding hair removal
N	9/02	Shaving preparations
N	9/04	• Depilatories

N	11/00	Preparations for care of the teeth, of the oral cavity or of dentures, e.g. dentifrices or toothpastes; Mouth rinses
N	11/02	Preparations for deodorising, bleaching or disinfecting dentures
N	13/00	Formulations or additives for perfume preparations (essential oils or perfumes per se C 11 B 9/00)
N	15/00	Anti-perspirants or body deodorants (deodorisation of air A 61 L 9/00)
N	17/00	Barrier preparations; Preparations brought into direct contact with the skin for affording protection against external influences, e.g. sunlight, X-rays or other harmful rays, corrosive materials, bacteria or insect stings (chemical means for combating harmful chemical agents A 62 D 3/00)
N	Note(s) after 17/00	
		<u>Informative note</u>
		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:
		Drugs for treating burns A 61 P 17/02.
N	17/02	containing insect repellants
N	Note(s) after 17/02	
		<u>Informative note</u>
		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:
		Pest repellants A 01 N.
N	17/04	 Topical preparations for affording protection against sunlight or other radiation; Topical sun tanning preparations
N	19/00	Preparations for care of the skin
N	19/02	for chemically bleaching or whitening the skin
N	19/04	 for chemically tanning the skin (topical sun tanning preparations 17/04)
N	19/06	for countering cellulitis
N	19/08	Anti-ageing preparations
N	19/10	Washing or bathing preparations

ANNEX	8	B 29 C	[Project-Rapporteur : 278/EP]	<ce32035e></ce32035e>
	Note(s) after the title			
		(2)	Layered products or laminating method classified in subclass B 32 B.	ds are further
ANNEX	9	B 29 D	[Project-Rapporteur : 278/EP]	<ce32036e></ce32036e>
	Note(s) after the title			
N		(2)	Layered products or laminating method classified in subclass B 32 B.	ds are further
		(3)	<former (2)="" note=""></former>	
D	9/00	(transfer	red to B 32 B 37/00 to 41/02)	
D	Note(s) after 9/00	<delet< td=""><td>ed></td><td></td></delet<>	ed>	
ANINIEW		D 20 D	IDi. A D 414/DTI	CE22042E
ANNEX	10	B 30 B	[Project-Rapporteur : 414/PT]	<ce32043e></ce32043e>
ANNEX		PRESSE	[Project-Rapporteur: 414/PT] ES IN GENERAL; PRESSES NOT OTHE DED FOR (producing ultra-high — —	
ANNEX	10	PRESSE	ES IN GENERAL; PRESSES NOT OTHE DED FOR (producing ultra-high – – –	
	10 Title Note(s) after	PRESSE PROVII <delet 21="" 3="" a="" c="" cement="" eplastic="" st<="" tab="" td=""><td>ES IN GENERAL; PRESSES NOT OTHE DED FOR (producing ultra-high – – –</td><td>aping of dough atures containing obstances in a</td></delet>	ES IN GENERAL; PRESSES NOT OTHE DED FOR (producing ultra-high – – –	aping of dough atures containing obstances in a
	10 Title Note(s) after the title	PRESSE PROVII <delet 21="" 3="" a="" c="" cement="" eplastic="" st<="" tab="" td=""><td>ES IN GENERAL; PRESSES NOT OTHER DED FOR (producing ultra-high — — ed> ed> detting presses (apparatus for forming or sha //00, 11/00; apparatus for shaping clay or mix at B 28 B; apparatus for shaping of plastic or sub at B 29, e.g. for compression moulding B 29</td><td>aping of dough atures containing obstances in a</td></delet>	ES IN GENERAL; PRESSES NOT OTHER DED FOR (producing ultra-high — — ed> ed> detting presses (apparatus for forming or sha //00, 11/00; apparatus for shaping clay or mix at B 28 B; apparatus for shaping of plastic or sub at B 29, e.g. for compression moulding B 29	aping of dough atures containing obstances in a
D	10 Title Note(s) after the title 11/00	PRESSE PROVII <delet 21="" 3="" a="" c="" cement="" e="" extrusion<="" plastic="" st="" tab="" td=""><td>ES IN GENERAL; PRESSES NOT OTHER DED FOR (producing ultra-high — — ed> eletting presses (apparatus for forming or sha /00, 11/00; apparatus for shaping clay or mix 3 28 B; apparatus for shaping of plastic or sub ate B 29, e.g. for compression moulding B 29 moulding 47/00)</td><td>aping of dough atures containing ostances in a 9 C 43/00, for</td></delet>	ES IN GENERAL; PRESSES NOT OTHER DED FOR (producing ultra-high — — ed> eletting presses (apparatus for forming or sha /00, 11/00; apparatus for shaping clay or mix 3 28 B; apparatus for shaping of plastic or sub ate B 29, e.g. for compression moulding B 29 moulding 47/00)	aping of dough atures containing ostances in a 9 C 43/00, for
D	10 Title Note(s) after the title 11/00 11 Note(s) after	PRESSE PROVII <delet 21="" 3="" a="" c="" cement="" e="" extrusion<="" plastic="" st="" tab="" td=""><td>ES IN GENERAL; PRESSES NOT OTHER DED FOR (producing ultra-high — — ed> eletting presses (apparatus for forming or sha /00, 11/00; apparatus for shaping clay or mix 3 28 B; apparatus for shaping of plastic or sub ate B 29, e.g. for compression moulding B 29 moulding 47/00)</td><td>aping of dough atures containing ostances in a 9 C 43/00, for</td></delet>	ES IN GENERAL; PRESSES NOT OTHER DED FOR (producing ultra-high — — ed> eletting presses (apparatus for forming or sha /00, 11/00; apparatus for shaping clay or mix 3 28 B; apparatus for shaping of plastic or sub ate B 29, e.g. for compression moulding B 29 moulding 47/00)	aping of dough atures containing ostances in a 9 C 43/00, for
D	10 Title Note(s) after the title 11/00 11 Note(s) after	PRESSE PROVII <delet 21="" 3="" a="" c="" cement="" e="" extrusion<="" plastic="" st="" tab="" td=""><td>CS IN GENERAL; PRESSES NOT OTHER DED FOR (producing ultra-high — — ed> ed> letting presses (apparatus for forming or sha /00, 11/00; apparatus for shaping clay or mix 3 28 B; apparatus for shaping of plastic or sub ate B 29, e.g. for compression moulding B 29 moulding 47/00) [Project-Rapporteur: 278/EP]</td><td>aping of dough stures containing ostances in a P C 43/00, for</td></delet>	CS IN GENERAL; PRESSES NOT OTHER DED FOR (producing ultra-high — — ed> ed> letting presses (apparatus for forming or sha /00, 11/00; apparatus for shaping clay or mix 3 28 B; apparatus for shaping of plastic or sub ate B 29, e.g. for compression moulding B 29 moulding 47/00) [Project-Rapporteur: 278/EP]	aping of dough stures containing ostances in a P C 43/00, for

(3) In this subclass, a film formed on a layer by spreading a substance thereon is not considered to constitute a layer itself if it serves only as an adhesive or its purpose is merely to finish a surface of a product.

<Delete former note> (4) In this subclass, ==> (5) In groups 1/00 to 33/00, at each ---N Layered products are classified in groups 37/00 or (6)38/00 if not characterised by their structure or composition. (7) <Former note (6)> D1/10 (transferred to 37/00) D31/00 to (transferred to 37/00) 31/10 D31/12 (transferred to 37/00, 38/00) D31/14 to (transferred to 37/00) 31/28 D31/30 (transferred to 37/00) D35/00 (transferred to 38/00 to 43/00) N Guide Methods or apparatus for making layered products; Treatment of the layers or of the layered products Heading *before 37/00*

N

Note(s) before 37/00

In groups 37/00 and 39/00, the following expressions are used with the meanings indicated:

- "laminating" means the action of combining previously unconnected layers to become one product whose layers will remain together;
- "partial laminating" occurs when one layer does not fully cover a surface of another layer, whereby the layer with the greater surface area is laminated on only part of its surface;
- "adhesive" means a layer, or part of a layer, applied in any state or in any manner, which is incorporated for the purpose of bonding.

N 37/00 Methods or apparatus for laminating, e.g. by curing or by ultrasonic bonding

N	37/02	 characterised by a sequence of laminating steps, e.g. by adding new layers at consecutive laminating stations
N	37/04	 characterised by the partial melting of at least one layer
N	37/06	 characterised by the heating method
N	37/08	 characterised by the cooling method
N	37/10	• characterised by the pressing technique, e.g. using direct action of vacuum or fluid pressure
N	37/12	 characterised by using adhesives
N	37/14	 characterised by the properties of the layers
N	37/15	• • with at least one layer being manufactured and immediately laminated before reaching its stable state, e.g. in which a layer is extruded and laminated while in semi-molten state
N	37/16	• • with all layers existing as coherent layers before laminating
N	37/18	 involving the assembly of discrete sheets or panels only
N	37/20	 involving the assembly of continuous webs only
N	37/22	• • involving the assembly of both discrete and continuous layers
N	37/24	 with at least one layer not being coherent before laminating, e.g. made up from granular material sprinkled onto a substrate (37/15 takes precedence)
N	37/26	• • with at least one layer which influences the bonding during the laminating process, e.g. release layers or pressure equalising layers
N	37/28	• involving assembly of non-flat intermediate products which are flattened at a later step, e.g. tubes
N	37/30	Partial laminating
N	38/00	Ancillary operations in connection with laminating processes
N	38/04	Punching, slitting or perforating
N	38/06	• Embossing
N	38/08	• Impregnating
N	38/10	• Removing layers, or parts of layers, mechanically or chemically (punching, slitting or perforating 38/04)
N	38/12	• Deep-drawing
N	38/14	Printing or colouring
N	38/16	• Drying; Softening; Cleaning
N	38/18	Handling of layers or the laminate

N	39/00	Layout of apparatus or plants, e.g. modular laminating systems
N	41/00	Arrangements for controlling or monitoring lamination processes; Safety arrangements
N	41/02	Safety arrangements
N	43/00	Operations specially adapted for layered products and not otherwise provided for, e.g. repairing; Apparatus therefor
ANNEX	12	B 60 K [Project-Rapporteur : 355/GB] <ce32017e></ce32017e>
С	28/16	 responsive to, or preventing, spinning or skidding of wheels (brake regulation specially adapted to prevent excessive wheel spin during vehicle acceleration, e.g. for traction control B 60 T 8/175; preventing wheel — —
ANNEX	13	B 60 T [Project-Rapporteur : 355/GB] <ce32016e></ce32016e>
	Title	THEREOF; BRAKE CONTROL SYSTEMS OR PARTS THEREOF, IN brake actuators, F 16 D); ARRANGEMENT OF BRAKING ELEMENTS ON VEHICLES IN GENERAL; PORTABLE DEVICES FOR PREVENTING UNWANTED MOVEMENT OF VEHICLES; VEHICLE MODIFICATIONS TO FACILITATE COOLING OF BRAKES
N	Note(s) after 8/00	
		When classifying in group 8/17, classification is also made in appropriate places in groups 8/18, 8/24, 8/26 or 8/32 if other aspects than electronic control are of interest.
N	8/17	Using electrical or electronic regulation means to control braking
N	8/171	• Detecting parameters used in the regulation; Measuring values used in the regulation
N	8/172	• Determining control parameters used in the regulation, e.g. by calculations involving measured or detected parameters
N	8/173	• Eliminating or reducing the effect of unwanted signals, e.g. due to vibrations or electrical noise

N	8/174	 characterised by using special control logic, e.g. fuzzy logic
N	8/175	 Brake regulation specially adapted to prevent excessive wheel spin during vehicle acceleration, e.g. for traction control (safety devices for propulsion unit control responsive to, or preventing, skidding of wheels B 60 K 28/16)
N	8/1755	 Brake regulation specially adapted to control the stability of the vehicle, e.g. taking into account yaw rate or transverse acceleration in a curve
N	8/176	 Brake regulation specially adapted to prevent excessive wheel slip during vehicle deceleration, e.g. ABS (8/1755 takes precedence)
N	8/1761	 responsive to wheel or brake dynamics, e.g. wheel slip, wheel acceleration or rate of change of brake fluid pressure
N	8/1763	 responsive to the coefficient of friction between the wheels and the ground surface (8/1764 takes precedence)
N	8/1764	 Regulation during travel on surface with different coefficients of friction, e.g. between left and right sides, mu-split
N	8/1766	 Proportioning of brake forces according to vehicle axle loads, e.g. front to rear of vehicle
N	8/1769	 specially adapted for vehicles having more than one driven axle, e.g. four-wheel drive vehicles
ANNEX	14	B 62 K [Project-Rapporteur : 386/US] <ce32022e></ce32022e>
	3/16	• disabled riders
	5/00	 road wheels (specially adapted for disabled persons A 61 G 5/00;cycle
ANNEX	15	C 08 J [Project-Rapporteur : 415/GB] <ce32054e></ce32054e>
	Title	C 08 F, G or C 08 H (working, e.g. shaping, of plastics B 29; layered
	5/00	to B 01 D 71/00; working, e.g. shaping, of plastics B 29)
	11/00	waste materials (recovery of plastics B 29 B 17/00; polymerisation processes

ANNEX	16	C 09 K	[Project-Rapporteur : 362/EP]	<ce32002e></ce32002e>
D	7/00	(transferi	red to 8/02)	
D	Note(s) after 7/00	<delet< td=""><td>ed></td><td></td></delet<>	ed>	
D	7/02	(transferi	red to 8/04)	
D	7/04	(transfer	red to 8/05)	
D	7/06	(transfer	red to 8/32)	
D	7/08	(transfer	red to 8/38)	
N	8/00		tions for drilling of boreholes or wells; Compo boreholes or wells, e.g. for completion or for r us	
N	8/02	• Well-d	drilling compositions	
N	Note(s) after 8/02			
			In this group, in the absence of an indicate contrary, classification is made in the last place.	
N	8/03	• • Spe	ecific additives for general use in well-drilling	compositions
N	8/035		Organic additives	
N	8/04	• • Aq	ueous well-drilling compositions	
N	8/05	• • •	containing inorganic compounds only, e.g. mix and salt	xtures of clay
N	8/06	• • •	Clay-free compositions (containing inorganic only 8/05)	compounds
N	8/08	• • •	• containing natural organic compounds, e.g polysaccharides, or derivatives thereof	
N	8/10		• • Cellulose or derivatives thereof	
N	8/12	• • •	 containing synthetic organic macromolecular or their precursors 	lar compounds
N	8/14	• • •	Clay-containing compositions (containing inor compounds only 8/05)	rganic
N	8/16		• characterised by the inorganic compounds	other than clay
N	8/18		• characterised by the organic compounds	
N	8/20	• • •	• Natural organic compounds or derivative polysaccharides or lignin derivatives	ves thereof, e.g.
N	8/22		Synthetic organic compounds	
N	8/24		• • • Polymers	
N	8/26		Oil-in-water emulsions	

N	8/28	• • containing organic additives
N	8/32	 Non-aqueous well-drilling compositions, e.g. oil-based
N	8/34	• • • Organic liquids
N	8/36	• • • Water-in-oil emulsions
N	8/38	 Gaseous or foamed well-drilling compositions
N	8/40	 Spacer compositions, e.g. compositions used to separate well- drilling from cementing masses
N	8/42	 Compositions for cementing, e.g. for cementing casings into boreholes; Compositions for plugging, e.g. for killing wells (compositions for plastering 8/50)
N	8/44	 containing organic binders only
N	8/46	 containing inorganic binders, e.g. Portland cement
N	8/467	 containing additives for specific purposes
N	8/473	 • • • Density reducing additives, e.g. for obtaining foamed cement compositions
N	8/48	Density increasing or weighting additives
N	8/487	 • • • Fluid loss control additives; Additives for reducing or preventing circulation loss
N	8/493	• • • Additives for reducing or preventing gas migration
N	8/50	 Compositions for plastering borehole walls, i.e. compositions for temporary consolidation of borehole walls (compositions for consolidating loose sand or the like around wells 8/56)
N N	8/50 8/502	temporary consolidation of borehole walls (compositions for
		temporary consolidation of borehole walls (compositions for consolidating loose sand or the like around wells 8/56)
N	8/502	 temporary consolidation of borehole walls (compositions for consolidating loose sand or the like around wells 8/56) Oil-based compositions Compositions based on water or polar solvents (8/502 takes
N N	8/502 8/504	 temporary consolidation of borehole walls (compositions for consolidating loose sand or the like around wells 8/56) Oil-based compositions Compositions based on water or polar solvents (8/502 takes precedence)
N N N	8/502 8/504 8/506	 temporary consolidation of borehole walls (compositions for consolidating loose sand or the like around wells 8/56) Oil-based compositions Compositions based on water or polar solvents (8/502 takes precedence) containing organic compounds
N N N	8/502 8/504 8/506 8/508	 temporary consolidation of borehole walls (compositions for consolidating loose sand or the like around wells 8/56) Oil-based compositions Compositions based on water or polar solvents (8/502 takes precedence) containing organic compounds macromolecular compounds
N N N N	8/502 8/504 8/506 8/508 8/512	temporary consolidation of borehole walls (compositions for consolidating loose sand or the like around wells 8/56) • Oil-based compositions • Compositions based on water or polar solvents (8/502 takes precedence) • containing organic compounds • macromolecular compounds • ocontaining cross-linking agents • of natural origin, e.g. polysaccharides, cellulose
N N N N N	8/502 8/504 8/506 8/508 8/512 8/514	temporary consolidation of borehole walls (compositions for consolidating loose sand or the like around wells 8/56) • Oil-based compositions • Compositions based on water or polar solvents (8/502 takes precedence) • containing organic compounds • macromolecular compounds • one containing cross-linking agents • of natural origin, e.g. polysaccharides, cellulose (8/512 takes precedence) • characterised by their form or by the form of their components,
N N N N N	8/502 8/504 8/506 8/508 8/512 8/514	temporary consolidation of borehole walls (compositions for consolidating loose sand or the like around wells 8/56) • Oil-based compositions • Compositions based on water or polar solvents (8/502 takes precedence) • containing organic compounds • macromolecular compounds • ocntaining cross-linking agents • of natural origin, e.g. polysaccharides, cellulose (8/512 takes precedence) • characterised by their form or by the form of their components, e.g. encapsulated material
N N N N N N	8/502 8/504 8/506 8/508 8/512 8/514 8/516	temporary consolidation of borehole walls (compositions for consolidating loose sand or the like around wells 8/56) • Oil-based compositions • Compositions based on water or polar solvents (8/502 takes precedence) • • containing organic compounds • • macromolecular compounds • • containing cross-linking agents • • of natural origin, e.g. polysaccharides, cellulose (8/512 takes precedence) • characterised by their form or by the form of their components, e.g. encapsulated material • • Foams • Compositions for preventing, limiting or eliminating depositions,
N N N N N N	8/502 8/504 8/506 8/508 8/512 8/514 8/516 8/518 8/52	temporary consolidation of borehole walls (compositions for consolidating loose sand or the like around wells 8/56) • Oil-based compositions • Compositions based on water or polar solvents (8/502 takes precedence) • • containing organic compounds • • macromolecular compounds • • containing cross-linking agents • • of natural origin, e.g. polysaccharides, cellulose (8/512 takes precedence) • characterised by their form or by the form of their components, e.g. encapsulated material • • Foams • Compositions for preventing, limiting or eliminating depositions, e.g. for cleaning

N	8/536	• characterised by their form or by the form of their components, e.g. encapsulated material
N	8/54	• Compositions for <u>in situ</u> inhibition of corrosion in boreholes or wells
N	Note(s) after 8/54	
		<u>Informative note</u>
		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:
		Inhibiting corrosion of metallic materials by using inhibitors in general C 23 F 11/00
N	8/56	• Compositions for consolidating loose sand or the like around wells without excessively decreasing the permeability thereof (compositions for plastering borehole walls 8/50)
N	Note(s) after 8/56	
		<u>Informative note</u>
		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:
		Soil-conditioning materials or soil-stabilising materials 17/00.
N	8/565	Oil-based compositions
N	8/57	 Compositions based on water or polar solvents (8/565 takes precedence)
N	8/575	containing organic compounds
N	8/58	• Compositions for enhanced recovery methods for obtaining hydrocarbons, i.e. for improving the mobility of the oil, e.g. displacing fluids
N	8/582	 characterised by the use of bacteria
N	8/584	 characterised by the use of specific surfactants
N	8/588	 characterised by the use of specific polymers
N	8/592	• Compositions used in combination with generated heat, e.g. by steam injection
N	8/594	• • Compositions used in combination with injected gas (8/592 takes precedence)
N	8/60	• Compositions for stimulating production by acting on the underground formation
N	8/62	• • Compositions for forming crevices or fractures

N	8/64	• • Oil-based compositions
N	8/66	 Compositions based on water or polar solvents (8/64 takes precedence)
N	8/68	• • containing organic compounds
N	8/70	 characterised by their form or by the form of their components, e.g. foams
N	8/72	• • • Eroding chemicals, e.g. acids
N	8/74	• • • combined with additives added for specific purposes
N	8/76	• • • for preventing or reducing fluid loss
N	8/78	• • • • for preventing sealing
N	8/80	 Compositions for reinforcing fractures, e.g. compositions of proppants used to keep the fractures open
N	8/82	 Oil-based compositions (8/64 takes precedence)
N	8/84	• Compositions based on water or polar solvents (8/66, 8/82 take precedence)
N	8/86	• • containing organic compounds
N	8/88	• • • macromolecular compounds
N	8/90	• • • • of natural origin, e.g. polysaccharides, cellulose
N	8/92	• characterised by their form or by the form of their components, e.g. encapsulated material (8/70 takes precedence)
N	8/94	• • • Foams
	17/00	soil-stabilising materials (specially adapted for boreholes or wells 8/00; fertilisers C 05; consolidating the soil E 02 D 3/12)

ANNEX	17	C 10 L	[Project-Rapporteur : 363/GB]	<ce32004e></ce32004e>
	Note(s) after 1/10			
		(1)	In this group, in the absence – – – compou classified in – – –	nd is
N		(2)	If an additive is a mixture of compounds, c is made for each compound of interest.	lassification
		(3)	<former (2)="" note=""></former>	
N	1/182		containing hydroxy groups; Salts thereof	
N	1/183		 at least one hydroxy group bound to an a carbon atom 	romatic
N	1/185		Ethers; Acetals; Ketals; Aldehydes; Ketones	

N	1/188	• • • Carboxylic acids; Salts thereof
N	1/189	• • • having at least one carboxyl group bound to an aromatic carbon atom
N	1/19	• • • Esters
N	1/192	• • • • Macromolecular compounds
N	1/195	• • • • obtained by reactions involving only carbon-to-carbon unsaturated bonds
N	1/196	• • • • • derived from monomers containing a carbon-to- carbon unsaturated bond and a carboxyl group or salts, anhydrides or esters thereof
N	1/197	• • • • • derived from monomers containing a carbon-to- carbon unsaturated bond and an acyloxy group of a saturated carboxylic or carbonic acid
N	1/198	• • • • obtained otherwise than by reactions involving only carbon-to-carbon unsaturated bonds
N	1/222	• • • containing at least one carbon-to-nitrogen single bond
N	1/223	• • • • having at least one amino group bound to an aromatic carbon atom
N	1/224	• • • • Amides; Imides
N	1/226	• • • containing at least one nitrogen-to-nitrogen bond, e.g. azo compounds, azides, hydrazines
N	1/228	• • • containing at least one carbon-to-nitrogen double bond, e.g. guanidines, hydrazones, semicarbazones, imines; containing at least one carbon-to-nitrogen triple bond, e.g. nitriles
N	1/23	• • • containing at least one nitrogen-to-oxygen bond, e.g. nitro-compounds, nitrates, nitrites
N	1/232	• • containing nitrogen in a heterocyclic ring
N	1/233	• • • • containing nitrogen and oxygen in the ring, e.g. oxazoles
N	1/234	• • • Macromolecular compounds
N	1/236	• • • • obtained by reactions involving only carbon-to-carbon unsaturated bonds
N	1/238	• • • • obtained otherwise than by reactions involving only carbon-to-carbon unsaturated bonds
N	1/2383	• • • • Polyamines or polyimines, or derivatives thereof
N	1/2387	• • • • • • Polyoxyalkyleneamines
	1/30	• • containing elements not mentioned in groups 1/16 to 1/28

C	10/00	liquid car using bin	Iditives to fuels or fires for particular purporbonaceous fuels characterised by their chemiders for briquetting solid fuels 5/10; using active combustion of solid fuels 9/10)	nical nature 1/10;
	10/02	• for rec	lucing smoke development	
	10/04	• for mi	nimising corrosion or incrustation	
	10/06	• for fac	cilitating soot removal	
N	10/08	• for im	proving lubricity; for reducing wear	
N	10/10	• for im	proving the octane number	
N	10/12	• for im	proving the cetane number	
N	10/14	• for im	proving low temperature properties	
N	10/16	• • Po	ur-point depressants	
N	10/18	-	• use of detergents or dispersants for purposes not provided for in groups 10/02 to 10/16	
ANNEX	18	C 12 S	[Project-Rapporteur : 362/EP]	<ce32031e></ce32031e>
	Nata(a) after			
	Note(s) after the title			
		<== C 08	s, D 21 C, H	
			S, D 21 C, H C 09 B, H, E 21 B	
		A 62 D, 0		
ANNEX		A 62 D, 0	C 09 B, H, E 21 B	<ce32024e></ce32024e>
ANNEX	the title	A 62 D, 0 B 01 D, 0	C 09 B, H, E 21 B C 10 G, F 24 F, ==>	tion of corrosion
ANNEX	the title	A 62 D, 0 B 01 D, 0	C 09 B, H, E 21 B C 10 G, F 24 F, ==> [Project-Rapporteur : 362/EP] rosive agent (compositions for in situ inhibit	tion of corrosion
	19 11/00	A 62 D, 0 B 01 D, 0 C 23 F corr in boreho E 03 B	C 09 B, H, E 21 B C 10 G, F 24 F, ==> [Project-Rapporteur : 362/EP] rosive agent (compositions for in situ inhibit les or wells C 09 K 8/54; adding inhibitors to	tion of corrosion o mineral – –

ANNEX	21	E 04 G	[Project-Rapporteur : 367/DE]	<ce32027e></ce32027e>
	1/00	Scaffold	s primarily resting – – –	
C	1/14		orising essentially pre-assembled two-dimens onts, e.g. of rods in L- or H-shape, with or –	b
C	1/15	•	precedence); Platforms (boards or planks the	erefor 5/08)
D	1/16	(transfer	red to 1/17, 5/16)	
N	1/17	•	orising essentially pre-assembled three-dimen ubic elements	asional elements,
	1/20	• • Sc	affolds comprising upright	
	1/22	• • Sc	affolds having a – – –	
D	1/26	(transfer	red to 5/00)	
	1/30	• • La	dder scaffolds	
N	1/38		olds partly supported by the building (ladders ures E 06 C 1/34)	s attachable to
D	3/02	(transfer	red to 3/18 to 3/34)	
D	3/04	(transfer	red to 3/18 to 3/34)	
D	3/06	(transfer	red to 3/18)	
D	3/08	(transfer	red to 3/20)	
D	3/10	(transfer	red to 3/18 to 3/34)	
D	3/12	(transfer	red to 3/26, 3/34)	
D	3/14	(transfer	red to 3/18 to 3/34)	
D	3/16	(transfer	red to 3/18 to 3/34)	
N	3/18		orted by cantilevers or other provisions moun uilding, e.g. window openings (3/28 takes pre	
N	3/20		orted by walls (3/28 takes precedence; wall-a orting scaffolds 5/04; consoles 5/06)	nchors for
N	3/22	• suppo	orted by roofs or ceilings (3/28 takes preceder	nce)
N	3/24	of par	ally adapted for particular parts of buildings ticular shape, e.g. chimney stacks or pylons (dence)	-
N	3/26	• • sp	ecially adapted for working on roofs	
N	3/28	• Mobil	le scaffolds; Scaffolds with mobile platforms	
N	3/30	• • su	spended by flexible supporting elements, e.g.	cables
N	3/32		Hoisting devices; Safety devices	
N	3/34	• • ch	aracterised by supporting structures provided	d on the roofs

C	<i>5/00</i>	Component parts or accessories for scaffolds (connections 7/00)
	5/08	• or planks
N	5/10	 Steps or ladders specially adapted for scaffolds
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 5/00)
	21/32	• of buildings (related to scaffolds 5/00; ropes or
	27/00	steps, ramps (as parts or accessories for scaffolds 5/00; gangways B 63;

ANNEX	22	E 21 B	[Project-Rapporteur: 362/EP]	<ce32003e></ce32003e>
7 11 11 11 12 2		11 21 11	[110]cct Rapporteur : 302/121]	(CE32003E)

Note(s) after the title <== for further processing; --- B, e.g. B 23 B; compositions for drilling of boreholes or wells or N for treating boreholes or wells, which compositions are covered by group C 09 K 8/00, e.g. compositions for enhanced recovery methods for obtaining hydrocarbons 8/58. N (3) Processes using enzymes or micro-organisms in order liberate, separate or purify a pre-existing N *(i)* compound or composition, or to N (ii) treat textiles or clean solid surfaces of materials N are further classified in subclass C 12 S. C--- bailers 27/02; chemical compositions therefor 33/13 C 09 K 8/00)

--- like substances (chemical compositions therefor C 09 K 8/52)

C

37/06

C	41/02	• bailers 27/02; chemical compositions therefor C 09 K 8/54; inhibiting corrosion
С	43/02	• Subsoil filtering (43/11 takes precedence; chemical compositions for consolidating loose sand or the like around wells C 09 K 8/56)
С	43/22	 precedence; chemical or bacterial compositions therefor C 09 K 8/58; chemical features in
С	43/25	 generating arrangements 28/00; chemical compositions therefor C 09 K 8/60)

ANNEX	23	F 01 C [Project-Rapporteur : 369/EP]	<ce32021e></ce32021e>
N	20/00	Control of, monitoring of, or safety arrangements for, nengines	nachines or
N	20/02	 specially adapted for several machines or engines conseries or in parallel 	nnected in
N	20/04	• specially adapted for reversible machines or engines	
N	20/06	 specially adapted for stopping, starting, idling or no- 	load operation
N	20/08	 characterised by varying the rotational speed 	
N	20/10	 characterised by changing the positions of the inlet of openings with respect to the working chamber 	r outlet
N	20/12	 using sliding valves 	
N	20/14	 using rotating valves 	
N	20/16	 using lift valves 	
N	20/18	 characterised by varying the volume of the working changing the positions of inlet or outlet openings 20/1 	, •
N	20/20	 by changing the form of the inner or outer contour working chamber 	of the
N	20/22	• by changing the eccentricity between cooperating	members
N	20/24	 characterised by using valves regulating pressure or j discharge valves (20/10 takes precedence) 	flow rate, e.g.
N	20/26	• • using bypass channels	
N	20/28	 Safety arrangements; Monitoring 	
	21/00	provided for in groups 1/00 to 20/00	
D	21/12	(transferred to 20/00, 21/18)	
D	21/14	(transferred to 20/00)	

D 21/16	(transferred to 20/00)
N 21/18	 Arrangements for admission or discharge of the working fluid, e.g. constructional features of the inlet or outlet

ANNEX	24	F 01 M	[Project-Rappor	teur : 416/PT]	<ce32038e></ce32038e>
	Note(s) after the title				
		(1)	Attention is dr	awn	
N		(2)		awn to the following place specific machines or engin	
N			F 01 B 31/10	Steam engines	
N			F 01 C 21/04	Rotary-piston or oscillat machines or engines	ing-piston
N			F 01 D 25/18	Non-positive-displaceme	nt machines
N			F 02 C 7/06	Gas-turbine plants	
N			F 02 F 1/20	Cylinders of combustion	engines
N			F 04 B 39/02	Pumps for elastic fluids	
N			F 04 C 29/02	Rotary-piston or oscillate pumps for liquids	ing-piston
N			F 04 D 29/04	Non-positive-displaceme	nt pumps

ANNEX	25	F 04 C	[Project-Rapporteur : 369/EP]	<ce32020e></ce32020e>
D	Guide Heading before 2/00	<delet< th=""><th>ed></th><th></th></delet<>	ed>	
	2/00		0; rotary-piston pumps specially adapted for elast 9/00; rotary-piston machines or pumps – – –	ic fluids
	3/00	parallel a	iliently deformable 5/00; rotary-piston pumps wit axes of movement of co-operating members species fluids 18/48)	
	5/00	 res fluids 18	iliently deformable (such pumps specially adapte /00)	ed for elastic
	7/00	the	like (such pumps specially adapted for elastic flu	iids 19/00)

	9/00	Oscillating-piston machines or pumps (such pumps specially adapted for elastic fluids 21/00)
	11/00	or oscillating-piston type (combinations of such pumps specially adapted for elastic fluids 23/00); Pumping installations (13/00 takes precedence; specially adapted for elastic fluids 23/00; fluid gearing F 16 H)
	13/00	high pressures (of pumps specially adapted for elastic fluids $25/00$)
N	14/00	Control of, monitoring of, or safety arrangements for, machines, pumps or pumping installations (of pumps or pumping installations specially adapted for elastic fluids 28/00)
N	14/02	• specially adapted for several machines or pumps connected in series or in parallel
N	14/04	specially adapted for reversible machines or pumps
N	14/06	• specially adapted for stopping, starting, idling or no-load operation
N	14/08	characterised by varying the rotational speed
N	14/10	 characterised by changing the positions of the inlet or outlet openings with respect to the working chamber
N	14/12	• • using sliding valves
N	14/14	• • using rotating valves
N	14/16	• • using lift valves
N	14/18	 characterised by varying the volume of the working chamber (by changing the positions of inlet or outlet openings 14/10)
N	14/20	• by changing the form of the inner or outer contour of the working chamber
N	14/22	 by changing the eccentricity between cooperating members
N	14/24	• characterised by using valves regulating pressure or flow rate, e.g. discharge valves (14/10 takes precedence)
N	14/26	• • using bypass channels
N	14/28	Safety arrangements; Monitoring
C	15/00	Component parts, details or accessories of machines, pumps or pumping installations, not provided for in groups 2/00 to 14/00 (of pumps specially adapted for elastic fluids 18/00 to 29/00)
D	15/02	(transferred to 14/00, 15/06)
D	15/04	(transferred to 14/00)

N	15/06	• Arrangements for admission or discharge of the working fluid, e.g. constructional features of the inlet or outlet
	Guide Heading before 18/00	<u>Pumps specially adapted – – – </u>
	18/00	Rotary-piston pumps specially adapted for elastic fluids (with fluid
	19/00	– – or the like, specially adapted for elastic fluids
	21/00	Oscillating-piston pumps specially adapted for elastic fluids
	23/00	or oscillating-piston type, specially adapted for elastic fluids; Pumping installations specially adapted for elastic fluids; Multi-stage pumps specially adapted for elastic fluids (25/00 takes precedence)
	25/00	Adaptations for special use of pumps for elastic fluids
	27/00	rotary-piston pumps specially adapted for elastic fluids
N	28/00	Control of, monitoring of, or safety arrangements for, pumps or pumping installations specially adapted for elastic fluids
N	28/02	 specially adapted for several pumps connected in series or in parallel
N	28/04	specially adapted for reversible pumps
N	28/06	• specially adapted for stopping, starting, idling or no-load operation
N	28/08	 characterised by varying the rotational speed
N	28/10	 characterised by changing the positions of the inlet or outlet openings with respect to the working chamber
N	28/12	• • using sliding valves
N	28/14	 using rotating valves
N	28/16	• • using lift valves
N	28/18	• characterised by varying the volume of the working chamber (by changing the positions of inlet or outlet openings 28/10)
N	28/20	• by changing the form of the inner or outer contour of the working chamber
N	28/22	• by changing the eccentricity between cooperating members
N	28/24	• characterised by using valves regulating pressure or flow rate, e.g. discharge valves (28/10 takes precedence)

N	28/26	• • using bypass channels
N	28/28	Safety arrangements; Monitoring
	29/00	or pumping installations specially adapted for elastic fluids, not provided for in groups $18/00$ to $28/00$
D	29/08	(transferred to 28/00, 29/12)
D	29/10	(transferred to 28/00)
N	29/12	• Arrangements for admission or discharge of the working fluid, e.g. constructional features of the inlet or outlet

ANNEX	26	F 16 K	[Project-Rappor	rteur : 396/PT]	<ce32041e></ce32041e>
	Note(s) after the title				
			<== for irrigat	ion conduits	
N			E 03 B 9/02	Arrangement of valves in hydr	ants
			E 03 D	Flushing valves ==>	

ANNEX	27	F 16 N	[Project-Rappor	teur : 416/PT]	<ce32023e></ce32023e>
	Note(s) after the title				
				ving places, which cover lubritus or in particular processes:	
			A 01 D 69/12	Harvesters	
N			B 21 B 25/04	Mandrels for metal tube roll	ling mills
N			B 21 B 27/06	Rolls for metal rolling mills	
N			B 21 D 37/18	Tools for machines for work	ing metal

N	B 21 D 37/18	Tools for machines for working metal without removing material
	B 21 J 3/00	Forging or pressing
N	B 22 D 11/07	Moulds for continuous casting of metals
N	B 23 C 5/28	Milling cutters
N	B 23 D 59/02,	
N	B 23 D 59/04	Metal saws

N	B 23 Q 11/10,	
N	B 23 Q 11/12	Machine tools
	B 25 D 17/26	Portable power-driven percussive tools
N	B 26 B 19/40	Hair-clippers or dry-shavers
N	B 27 B 13/12	Band saw blades for wood or the like
	B 60 R 17/00	Vehicles
N	B 61 B 12/08	Cable systems for railways
	B 61 C 17/08	Railway locomotives
N	B 61 F 17/00	Axle-boxes of rail vehicles
N	B 61 K 3/00	Rail or wheel flanges of railways
	B 62 D 55/092	Endless-track units for vehicles
N	B 62 J 31/00	Cycles
N	B 65 G 45/02	Conveyers
N	B 66 B 7/12	Ropes, cables or guides of elevators
N	D 01 H 7/20	Spindles of machines for spinning or twisting threads or fibres
	D 04 B 35/28	Knitting machines
N	D 05 B 71/00	Sewing machines
N	D 05 C 13/04	Embroidering machines
N	E 01 B 7/26	Switches for railways
	E 05 B 17/08	Locks
	E 05 D 11/02	Hinges
	E 21 B 10/22	Roller bits for earth drilling
N	F 01 C 21/04	Rotary-piston or oscillating-piston machines or engines
N	F 01 D 25/18	Non-positive-displacement machines
N	F 01 M	Machines or engines in general
N	F 02 C 7/06	Gas-turbine plants
N	F 02 F 1/20	Cylinders of combustion engines
N	F 04 B 39/02	Pumps for liquids
N	F 04 C 29/02	Rotary-piston or oscillating-piston pumps for liquids
N	F 04 D 29/04	Non-positive-displacement pumps

N	F 16 C 1/24	Flexible shafts
N	F 16 C 33/10	Sliding-contact bearings
N	F 16 C 33/66	Ball or roller bearings
N	F 16 F 1/24	Springs
N	F 16 H 57/04	Transmissions
N	F 41 A 29/04	Smallarms or ordnance
N	G 04 B 31/08	Clocks
N	H 01 R 39/56	Rotary current collectors, distributors or interrupters

ANNEX	28	H 01 H	[Project-Rapporteur: 379/GB]	<ce32012e></ce32012e>
С	11/00	rectilined members	tches (processes specially adapted for manufarly movable switches having a plurality of op associated with different sets of contacts, e.g. associated with different sets of contacts, e.g.	perating
С	13/02	opera	ls (specially adapted for rectilinearly movable ting members associated with different sets of ards, 13/70)	
N	13/703		characterised by spacers between contact ca	rrying layers
N	13/704	• • •	characterised by the layers, e.g. by their mate (13/703 takes precedence)	erial or structure
	13/705	• • •	characterised by construction, mounting or an operating parts, e.g. push-buttons or keys	rrangement of
N	13/7057	• • •	• characterised by the arrangement of oper relation to each other, e.g. pre-assembled	0 1
N	13/7065	• • •	• characterised by the mechanism between keyboards	keys and layered
N	13/7073		• • characterised by springs, e.g. Euler sp	rings
N	13/78	• • ch	aracterised by the contacts or the contact site.	S
N	13/785	• • •	characterised by the material of the contacts, polymers	, e.g. conductive
N	13/79	• • •	characterised by the form of the contacts, e.g fingers or helical networks	. interspersed
N	13/80	• • •	characterised by the manner of cooperation e.g. with both contacts movable or with boun	=

N	13/803	• • characterised by the switching function thereof, e.g. normally closed contacts or consecutive operation of contacts
N	13/807	• • characterised by the spatial arrangement of the contact sites, e.g. superimposed sites
N	13/81	• characterised by electrical connections to external devices
N	13/82	 characterised by contact space venting means
N	13/83	• characterised by legends, e.g. Braille, liquid crystal displays, light emitting or optical elements
N	13/84	• characterised by ergonomic functions, e.g. for miniature keyboards; characterised by operational sensory functions, e.g. sound feedback (legends 13/83)
N	13/85	• • characterised by tactile feedback features
N	13/86	• characterised by the casing, e.g. sealed casings or casings reducible in size
N	13/88	 Processes specially adapted for manufacture of rectilinearly movable switches having a plurality of operating members associated with different sets of contacts, e.g. keyboards

ANNEX	29	H 02 P	[Project-Rapporteur : 410/DE]	<ce32013e></ce32013e>
С	1/00	electroni	namo-electric converters (starting of synchro c commutators 6/20, 6/22; starting dynamo-e step by step 8/04; vector control 21/00)	
C	3/00	with elec	namo-electric converters (stopping of synchro tronic commutators 6/24; stopping dynamo-e step by step 8/24; vector control 21/00)	
N	4/00	speed or more dif	ments specially adapted for regulating or contorque of electric motors that can be connected for the contors that can be connected to the contor of the cont	cted to two or
C	5/00	speed or	ments specially adapted for regulating or contorque of two or more electric motors (starts or slowing 3/00; vector control 21/00)	_
D	5/04	(transfer	red to 29/04)	
D	5/05	(transfer	red to 25/08)	
D	5/06	(covered	by 7/06)	

D	5/08	(covered by 7/06 to 7/22)
D	5/10	(covered by 7/06 to 7/22)
D	5/12	(covered by 7/24)
D	5/14	(covered by 7/26)
D	5/16	(covered by 7/28)
D	5/162	(covered by 7/282)
D	5/165	(covered by 7/285)
D	5/168	(covered by 7/288)
D	5/17	(covered by 7/29)
D	5/172	(covered by 7/292)
D	5/175	(covered by 7/295)
D	5/178	(covered by 7/298)
D	5/18	(covered by 7/30)
D	5/20	(covered by 7/32)
D	5/22	(covered by 7/34)
D	5/24	(covered by 7/34)
D	5/26	(covered by 7/34)
D	5/28	(transferred to 23/00, 25/00, 27/00)
D	5/30	(transferred to 25/18)
D	5/32	(transferred to 25/18)
D	5/34	(transferred to 27/04)
D	5/36	(transferred to 23/00, 25/00, 27/00)
D	5/38	(transferred to 25/32)
D	5/40	(transferred to 23/00, 25/00, 27/00)
D	5/402	(transferred to 27/02)
D	5/405	(transferred to 25/26)
D	5/408	(transferred to 27/04)
D	5/41	(transferred to 27/06)
D	5/412	(transferred to 27/16)
D	5/415	(transferred to 23/00, 27/05)
D	5/418	(transferred to 25/10)
D	5/42	(transferred to 25/28)
D	5/44	(transferred to 25/12, 25/16)
N	5/60	• controlling combinations of dc and ac dynamo-electric motors (5/46 takes precedence)

N	5/68	• controlling two or more dc dynamo-electric motors (5/46, 5/60 take precedence)
N	5/685	• electrically connected in series, i.e. carrying the same current
N	5/69	mechanically coupled by gearing
N	5/695	• • • Differential gearing
N	5/74	• controlling two or more ac dynamo-electric motors (5/46, 5/60 take precedence)
N	5/747	mechanically coupled by gearing
N	5/753	• • • Differential gearing
	6/00	commutators therefor (stepping motors 8/00; vector control $21/00$)
C	7/00	Arrangements for regulating or controlling the – – of electric demotors (starting 1/00; stopping or slowing 3/00; vector control 21/00)
D	7/01	(transferred to 4/00)
D	7/04	(transferred to 29/04)
D	7/05	(transferred to 25/08)
	7/06	• for regulating or controlling an individual – –
D	Note(s) before 7/10	<deleted></deleted>
	7/20	• • • of relays (7/24, 7/30 take precedence)
	7/22	• • variable resistance (7/24, 7/30 take precedence)
D	7/36	(transferred to 23/00, 25/00, 27/00)
D	7/38	(transferred to 23/00, 25/00, 27/00)
D	7/40	(transferred to 25/24)
D	7/42	(transferred to 27/04)
D	7/44	(transferred to 27/04)
D	7/46	(transferred to 27/05)
D	7/48	(transferred to 25/20)
D	7/50	(transferred to 25/12)
D	7/52	(transferred to 23/00, 25/00, 27/00)
D	7/54	(transferred to 25/18)
D	7/56	(transferred to 25/18)
D	7/58	(transferred to 23/00, 25/00, 27/00)
D	7/60	(transferred to 25/32)
D	7/62	(transferred to 23/00, 25/00, 27/00)
D	7/622	(transferred to 27/02)

D	7/625	(transferred to 25/26)
D	7/628	(transferred to 27/04)
D	7/63	(transferred to 27/06)
D	7/632	(transferred to 27/16)
D	7/635	(transferred to 23/00, 27/05)
D	7/638	(transferred to 25/10)
D	7/64	(transferred to 25/28)
D	7/66	(transferred to 25/30)
D	7/67	(transferred to 5/00)
D	7/68	(transferred to 5/68)
D	7/685	(transferred to 5/685)
D	7/69	(transferred to 5/69)
D	7/695	(transferred to 5/695)
D	7/74	(transferred to 5/74)
D	7/747	(transferred to 5/747)
D	7/753	(transferred to 5/753)
D	7/80	(transferred to 5/60)
C	8/00	by step (vector control 21/00)
C	9/00	arrangements 7/34; vector control 21/00; feeding a
C	11/00	slowing 3/00; vector control 21/00; feeding a
C	<i>15/00</i>	separate brake 29/04, vector control 21/00)
C	17/00	dynamo-electric gears (vector control 21/00)
D	19/00	(transferred to 1/00, 3/00, 5/00, 7/00, 23/00 to 31/00)
D	19/02	(transferred to 29/02)
C	21/00	Arrangements or methods for the control of electric machines by vector control, e.g. by control of field orientation
N	Note(s) after 21/00	
		When classifying in this group, it is desirable to also classify in groups 25/00 to 27/00 if the kind of ac-motor, structural details, or the kind of supply voltage are of interest.
N	21/02	 specially adapted for optimising the efficiency at low load

N	21/04	 specially adapted for very low speeds
N	21/05	• specially adapted for damping motor oscillations, e.g. for reducing hunting
N	21/06	Rotor flux based control
N	21/08	• Indirect field-oriented control, e.g. field phase angle calculation based on rotor voltage equation by adding slip frequency and speed proportional frequency
N	21/10	Direct field-oriented control
N	21/12	Stator flux based control
N	21/13	• Observer control, e.g. using Luenberger observers or Kalman filters
N	21/14	• Estimation or adaptation of machine parameters, e.g. rotor time constant, flux, speed, current or voltage
N	23/00	Arrangements or methods for the control of ac-motors characterised by a control method other than vector control (starting 1/00; stopping or slowing 3/00; of two or more motors 5/00; of synchronous motors with electronic commutators 6/00; of dc-motors 7/00; of stepping motors 8/00)
N	Note(s) after 23/00	
		When classifying in this group, it is desirable to also classify in groups 25/00 to 27/00 if the kind of ac-motor, structural details, or the kind of supply voltage are of interest.
N	23/02	 specially adapted for optimising the efficiency at low load
N	23/03	 specially adapted for very low speeds
N	22/04	
	23/04	 specially adapted for damping motor oscillations, e.g. for reducing hunting
N	23/04	
N N		hunting
	23/06	 hunting Controlling the motor in four quadrants Controlling based on slip frequency, e.g. adding slip frequency and
N	23/06 23/08	 hunting Controlling the motor in four quadrants Controlling based on slip frequency, e.g. adding slip frequency and speed proportional frequency
N N	23/06 23/08 23/10	 Controlling the motor in four quadrants Controlling based on slip frequency, e.g. adding slip frequency and speed proportional frequency Controlling by adding a dc current (dc current braking 3/24) Observer control, e.g. using Luenberger observers or Kalman

N	25/00	Arrangements or methods for the control of ac-motors characterised by the kind of ac-motor or by structural details (starting 1/00; stopping or slowing 3/00; of two or more motors 5/00; of synchronous motors with electronic commutators 6/00; of dc-motors 7/00; of stepping motors 8/00)	
N	Note(s) after 25/00		
		When classifying in this group, it is desirable to also classify in groups 21/00, 23/00 or 27/00 if the control method or the kind of supply voltage are of interest.	
N	25/02	characterised by the kind of motor	
N	25/04	Single phase motors, e.g. capacitor motors	
N	25/06	• • Linear motors	
N	25/08	Reluctance motors	
N	25/10	Commutator motors, e.g. repulsion motors	
N	25/12	• • • with shiftable brushes	
N	25/14	• • Universal motors (25/12 takes precedence)	
N	25/16	• characterised by the circuit arrangement or by the kind of wiring	
N	25/18	 with arrangements for switching the windings, e.g. with mechanical switches or relays 	
N	25/20	• • for pole-changing	
N	25/22	• • Multiple windings; Windings for more than three phases	
N	25/24	Variable impedance in stator or rotor circuit	
N	25/26	• • with arrangements for controlling secondary impedance	
N	25/28	 using magnetic devices with controllable degree of saturation, e.g. transductors 	
N	25/30	 the motor being controlled by a control effected upon an ac generator supplying it 	
N	25/32	using discharge tubes	
N	27/00	Arrangements or methods for the control of ac-motors characterised by the kind of supply voltage (starting 1/00; stopping or slowing 3/00; of two or more motors 5/00; of synchronous motors with electronic commutators 6/00; of do motors 7/00; of stopping motors 8/00)	

commutators 6/00; of dc-motors 7/00; of stepping motors 8/00)

N	Note(s) after 27/00	
		When classifying in this group, it is desirable to also classify in groups 21/00, 23/00 or 25/00 if the control method, the kind of the ac-motor or structural details are of interest.
N	27/02	 using supply voltage with constant frequency and variable amplitude
N	27/04	• using variable-frequency supply voltage, e.g. inverter or converter supply voltage
N	27/05	 using ac supply for both rotor and stator circuits, the frequency of supply to at least one circuit being variable
N	27/06	• using dc to ac converters or inverters (27/05 takes precedence)
N	27/08	• • with pulse width modulation
N	27/10	• • • using bang-bang controllers
N	27/12	• • • pulsing by guiding the flux-, current-, or voltage-vector on a circle or a closed curve, e.g. direct torque control
N	27/14	• • • with three or more levels of voltage
N	27/16	 using ac to ac converters without intermediate conversion to dc (27/05 takes precedence)
N	27/18	 varying the frequency by omitting half waves
N	29/00	Arrangements for regulating or controlling electric motors, appropriate for both ac- and dc-motors (starting 1/00; stopping or slowing 3/00; control of motors that can be connected to two or more different voltage or current supplies 4/00; vector control 21/00)
N	29/02	• Providing protection against overload without automatic interruption of supply, e.g. monitoring
N	Note(s) after 29/02	

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:

Emergency protective circuit arrangements with automatic interruption of supply, in general, H 02 H 7/08;

Emergency protective circuit arrangements for limiting excess current or voltage without disconnection, in general, H 02 H 9/00.

N	31/00	• by means of a separate brake Arrangements for regulating or controlling electric motors not
		provided for in groups 1/00 to 5/00, 7/00 or 21/00 to 29/00

[End of Technical Annexes and of document]