Symbol	Typ	Titel
C	**Sektion**	**SECTION C — CHEMISTRY; METALLURGY**
C25	**Klasse**	**ELECTROLYTIC OR ELECTROPHORETIC PROCESSES; APPARATUS THEREFOR (electrodialysis, electro-osmosis, separation of liquids by electricity B01D; working of metal by the action of a high concentration of electric current B23H; treatment of water, waste water or sewage by electrochemical methods C02F 1/46; surface treatment of metallic material or coating involving at least one process provided for in class C23 and at least one process covered by this class C23C 28/00, C23F 17/00; anodic or cathodic protection C23F; single-crystal growth C30B; metallising textiles D06M 11/83; decorating textiles by locally metallising D06Q 1/04; electrochemical methods of analysis G01N; electrochemical measuring, indicating or recording devices G01R; electrolytic circuit elements, e.g. capacitors, H01G; electrochemical current or voltage generators H01M) [4]**
C25D	**Unterklasse**	**PROCESSES FOR THE ELECTROLYTIC OR ELECTROPHORETIC PRODUCTION OF COATINGS ; ELECTROFORMING (decorating textiles by metallising D06Q 1/04; manufacturing printed circuits by metal deposition H05K 3/18); JOINING WORKPIECES BY ELECTROLYSIS; APPARATUS THEREFOR [2, 6]**
C25D 1/00	**Hauptgruppe**	**Electroforming [2]**
C25D 1/02	1-Punkt Untergruppe	. Tubes; Rings; Hollow bodies [2]
C25D 1/04	1-Punkt Untergruppe	. Wires; Strips; Foils [2]
C25D 1/06	1-Punkt Untergruppe	. Wholly-metallic mirrors [2]
C25D 1/08	1-Punkt Untergruppe	. Perforated or foraminous objects, e.g. sieves (C25D 1/10 takes precedence) [2]
C25D 1/10	1-Punkt Untergruppe	. Moulds; Masks; Masterforms [2]
C25D 1/12	1-Punkt Untergruppe	. by electrophoresis [2]
C25D 1/14	2-Punkt Untergruppe	. . of inorganic material [2]
C25D 1/16	3-Punkt Untergruppe	. . . Metals [2]
C25D 1/18	2-Punkt Untergruppe	. . of organic material [2]
C25D 1/20	1-Punkt Untergruppe	. Separation of the formed objects from the electrodes [2]
C25D 1/22	2-Punkt Untergruppe	. . Separating compounds [2]
C25D 2/00	**Hauptgruppe**	**Joining workpieces by electrolysis [6]**
C25D 3/00	**Hauptgruppe**	**Electroplating; Baths therefor [2]**
C25D 3/02	1-Punkt Untergruppe	. from solutions (C25D 5/24-C25D 5/32 take precedence) [2]
C25D 3/04	2-Punkt Untergruppe	. . of chromium [2]
C25D 3/06	3-Punkt Untergruppe	. . . from solutions of trivalent chromium [2]
C25D 3/08	3-Punkt Untergruppe	. . . Deposition of black chromium [2]
C25D 3/10	3-Punkt Untergruppe	. . . characterised by the organic bath constituents used [2]
C25D 3/12	2-Punkt Untergruppe	. . of nickel or cobalt [2]
C25D 3/14	3-Punkt Untergruppe	. . . from baths containing acetylenic or heterocyclic compounds [2]

Symbol	Typ	Titel
C25D 3/16	4-Punkt Untergruppe	. . . . Acetylenic compounds [2]
C25D 3/18	4-Punkt Untergruppe	. . . . Heterocyclic compounds [2]
C25D 3/20	2-Punkt Untergruppe	. . of iron [2]
C25D 3/22	2-Punkt Untergruppe	. . of zinc [2]
C25D 3/24	3-Punkt Untergruppe	. . . from cyanide baths [2]
C25D 3/26	2-Punkt Untergruppe	. . of cadmium [2]
C25D 3/28	3-Punkt Untergruppe	. . . from cyanide baths [2]
C25D 3/30	2-Punkt Untergruppe	. . of tin [2]
C25D 3/32	3-Punkt Untergruppe	. . . characterised by the organic bath constituents used [2]
C25D 3/34	2-Punkt Untergruppe	. . of lead [2]
C25D 3/36	3-Punkt Untergruppe	. . . characterised by the organic bath constituents used [2]
C25D 3/38	2-Punkt Untergruppe	. . of copper [2]
C25D 3/40	3-Punkt Untergruppe	. . . from cyanide baths [2]
C25D 3/42	2-Punkt Untergruppe	. . of light metals [2]
C25D 3/44	3-Punkt Untergruppe	. . . Aluminium [2]
C25D 3/46	2-Punkt Untergruppe	. . of silver [2]
C25D 3/48	2-Punkt Untergruppe	. . of gold [2]
C25D 3/50	2-Punkt Untergruppe	. . of platinum group metals [2]
C25D 3/52	3-Punkt Untergruppe	. . . characterised by the organic bath constituents used [2]
C25D 3/54	2-Punkt Untergruppe	. . of metals not provided for in groups C25D 3/04-C25D 3/50 [2]
C25D 3/56	2-Punkt Untergruppe	. . of alloys [2]
C25D 3/58	3-Punkt Untergruppe	. . . containing more than 50% by weight of copper [2]
C25D 3/60	3-Punkt Untergruppe	. . . containing more than 50% by weight of tin [2]
C25D 3/62	3-Punkt Untergruppe	. . . containing more than 50% by weight of gold [2]
C25D 3/64	3-Punkt Untergruppe	. . . containing more than 50% by weight of silver [2]
C25D 3/66	1-Punkt Untergruppe	. from melts [2]
C25D 5/00	**Hauptgruppe**	**Electroplating characterised by the process; Pretreatment or after-treatment of workpieces [2]**
C25D 5/02	1-Punkt Untergruppe	. Electroplating of selected surface areas [2]
C25D 5/04	1-Punkt Untergruppe	. Electroplating with moving electrodes [2]
C25D 5/06	2-Punkt Untergruppe	. . Brush or pad plating [2]
C25D 5/08	1-Punkt Untergruppe	. Electroplating with moving electrolyte, e.g. jet electroplating [2]
C25D 5/10	1-Punkt Untergruppe	. Electroplating with more than one layer of the same or of different metals (for bearings C25D 7/10) [2]

Symbol	Typ	Titel
C25D 5/12	2-Punkt Untergruppe	. . at least one layer being of nickel or chromium [2]
C25D 5/14	3-Punkt Untergruppe	. . . two or more layers being of nickel or chromium, e.g. duplex or triplex layers [2]
C25D 5/16	1-Punkt Untergruppe	. Electroplating with layers of varying thickness [2]
C25D 5/18	1-Punkt Untergruppe	. Electroplating using modulated, pulsed or reversing current [2]
C25D 5/20	1-Punkt Untergruppe	. Electroplating using ultrasonics [2]
C25D 5/22	1-Punkt Untergruppe	. Electroplating combined with mechanical treatment during the deposition [2]
C25D 5/24	1-Punkt Untergruppe	. Electroplating of metal surfaces to which a coating cannot readily be applied (C25D 5/34 takes precedence) [2]
C25D 5/26	2-Punkt Untergruppe	. . of iron or steel surfaces [2]
C25D 5/28	2-Punkt Untergruppe	. . of surfaces of refractory metals [2]
C25D 5/30	2-Punkt Untergruppe	. . of surfaces of light metals [2]
C25D 5/32	2-Punkt Untergruppe	. . of surfaces of actinides [2]
C25D 5/34	1-Punkt Untergruppe	. Pretreatment of metallic surfaces to be electroplated [2]
C25D 5/36	2-Punkt Untergruppe	. . of iron or steel [2]
C25D 5/38	2-Punkt Untergruppe	. . of refractory metals or nickel [2]
C25D 5/40	3-Punkt Untergruppe	. . . Nickel; Chromium [2]
C25D 5/42	2-Punkt Untergruppe	. . of light metals [2]
C25D 5/44	3-Punkt Untergruppe	. . . Aluminium [2]
C25D 5/46	2-Punkt Untergruppe	. . of actinides [2]
C25D 5/48	1-Punkt Untergruppe	. After-treatment of electroplated surfaces [2]
C25D 5/50	2-Punkt Untergruppe	. . by heat-treatment [2]
C25D 5/52	2-Punkt Untergruppe	. . by brightening or burnishing [2]
C25D 5/54	1-Punkt Untergruppe	. Electroplating of non-metallic surfaces (C25D 7/12 takes precedence) [2]
C25D 5/56	2-Punkt Untergruppe	. . of plastics [2]
C25D 7/00	**Hauptgruppe**	**Electroplating characterised by the article coated [2]**
C25D 7/02	1-Punkt Untergruppe	. Slide fasteners [2]
C25D 7/04	1-Punkt Untergruppe	. Tubes; Rings; Hollow bodies [2]
C25D 7/06	1-Punkt Untergruppe	. Wires; Strips; Foils [2]
C25D 7/08	1-Punkt Untergruppe	. Mirrors; Reflectors [2]
C25D 7/10	1-Punkt Untergruppe	. Bearings [2]
C25D 7/12	1-Punkt Untergruppe	. Semiconductors [2]
C25D 9/00	**Hauptgruppe**	**Electrolytic coating other than with metals (C25D 11/00, C25D 15/00 take precedence; electrophoretic coating C25D 13/00) [2]**
C25D 9/02	1-Punkt Untergruppe	. with organic materials [2]

Symbol	Typ	Titel
C25D 9/04	1-Punkt Untergruppe	. with inorganic materials [2]
C25D 9/06	2-Punkt Untergruppe	. . by anodic processes [2]
C25D 9/08	2-Punkt Untergruppe	. . by cathodic processes [2]
C25D 9/10	3-Punkt Untergruppe	. . . on iron or steel [2]
C25D 9/12	3-Punkt Untergruppe	. . . on light metals [2]
C25D 11/00	**Hauptgruppe**	**Electrolytic coating by surface reaction, i.e. forming conversion layers [2]**
C25D 11/02	1-Punkt Untergruppe	. Anodisation [2]
C25D 11/04	2-Punkt Untergruppe	. . of aluminium or alloys based thereon [2]
C25D 11/06	3-Punkt Untergruppe	. . . characterised by the electrolytes used [2]
C25D 11/08	4-Punkt Untergruppe	. . . . containing inorganic acids [2]
C25D 11/10	4-Punkt Untergruppe	. . . . containing organic acids [2]
C25D 11/12	3-Punkt Untergruppe	. . . Anodising more than once, e.g. in different baths [2]
C25D 11/14	3-Punkt Untergruppe	. . . Producing integrally coloured layers [2]
C25D 11/16	3-Punkt Untergruppe	. . . Pretreatment [2]
C25D 11/18	3-Punkt Untergruppe	. . . After-treatment, e.g. pore-sealing (lacquering B44D) [2]
C25D 11/20	4-Punkt Untergruppe	. . . . Electrolytic after-treatment [2]
C25D 11/22	5-Punkt Untergruppe	. . . . . for colouring layers [2]
C25D 11/24	4-Punkt Untergruppe	. . . . Chemical after-treatment [2]
C25D 11/26	2-Punkt Untergruppe	. . of refractory metals or alloys based thereon [2]
C25D 11/28	2-Punkt Untergruppe	. . of actinides or alloys based thereon [2]
C25D 11/30	2-Punkt Untergruppe	. . of magnesium or alloys based thereon [2]
C25D 11/32	2-Punkt Untergruppe	. . of semiconducting materials [2]
C25D 11/34	2-Punkt Untergruppe	. . of metals or alloys not provided for in groups C25D 11/04-C25D 11/32 [2]
C25D 11/36	1-Punkt Untergruppe	. Phosphatising [2]
C25D 11/38	1-Punkt Untergruppe	. Chromatising [2]
C25D 13/00	**Hauptgruppe**	**Electrophoretic coating (C25D 15/00 takes precedence; apparatus for continuously conveying articles into baths B65G, e.g. B65G 49/00; compositions for electrophoretic coating C09D 5/44) [2]**
C25D 13/02	1-Punkt Untergruppe	. with inorganic material [2]
C25D 13/04	1-Punkt Untergruppe	. with organic material [2]
C25D 13/06	2-Punkt Untergruppe	. . polymers [2]
C25D 13/08	3-Punkt Untergruppe	. . . by polymerisation in situ of monomeric materials [2]
C25D 13/10	1-Punkt Untergruppe	. characterised by the additives used [2]
C25D 13/12	1-Punkt Untergruppe	. characterised by the article coated [2]

Symbol	Typ	Titel
C25D 13/14	2-Punkt Untergruppe	. . Tubes; Rings; Hollow bodies [2]
C25D 13/16	2-Punkt Untergruppe	. . Wires; Strips; Foils [2]
C25D 13/18	1-Punkt Untergruppe	. using modulated, pulsed or reversing current [2]
C25D 13/20	1-Punkt Untergruppe	. Pretreatment [2]
C25D 13/22	1-Punkt Untergruppe	. Servicing or operating [2]
C25D 13/24	2-Punkt Untergruppe	. . Regeneration of process liquids [2]
C25D 15/00	**Hauptgruppe**	**Electrolytic or electrophoretic production of coatings containing embedded materials, e.g. particles, whiskers, wires [2]**
C25D 15/02	1-Punkt Untergruppe	. Combined electrolytic and electrophoretic processes [2]
C25D 17/00	**Hauptgruppe**	**Constructional parts, or assemblies thereof, of cells for electrolytic coating (apparatus for continuously conveying articles into baths B65G, e.g. B65G 49/00; electric devices, see the relevant places, e.g. H01B, H02G) [2]**
C25D 17/02	1-Punkt Untergruppe	. Tanks; Installations therefor [2]
C25D 17/04	2-Punkt Untergruppe	. . External supporting frames or structures [2]
C25D 17/06	1-Punkt Untergruppe	. Suspending or supporting devices for articles to be coated [2]
C25D 17/08	2-Punkt Untergruppe	. . Racks [2]
C25D 17/10	1-Punkt Untergruppe	. Electrodes [2]
C25D 17/12	2-Punkt Untergruppe	. . Shape or form (C25D 17/14 takes precedence) [2]
C25D 17/14	2-Punkt Untergruppe	. . for pad-plating [2]
C25D 17/16	1-Punkt Untergruppe	. Apparatus for electrolytic coating of small objects in bulk [2]
C25D 17/18	2-Punkt Untergruppe	. . having closed containers [2]
C25D 17/20	3-Punkt Untergruppe	. . . Horizontal barrels [2]
C25D 17/22	2-Punkt Untergruppe	. . having open containers [2]
C25D 17/24	3-Punkt Untergruppe	. . . Oblique barrels [2]
C25D 17/26	3-Punkt Untergruppe	. . . Oscillating baskets [2]
C25D 17/28	2-Punkt Untergruppe	. . with means for moving the objects individually through the apparatus during the treatment [2]
C25D 19/00	**Hauptgruppe**	**Electrolytic coating plants [2]**
C25D 21/00	**Hauptgruppe**	**Processes for servicing or operating cells for electrolytic coating [2]**
C25D 21/02	1-Punkt Untergruppe	. Heating or cooling [2]
C25D 21/04	1-Punkt Untergruppe	. Removal of gases or vapours [2]
C25D 21/06	1-Punkt Untergruppe	. Filtering [2]
C25D 21/08	1-Punkt Untergruppe	. Rinsing [2]
C25D 21/10	1-Punkt Untergruppe	. Agitating of electrolytes; Moving of racks [2]
C25D 21/11	1-Punkt Untergruppe	. Use of protective surface layers on electrolytic baths [3]

Symbol	Typ	Titel
C25D 21/12	1-Punkt Untergruppe	. Process control or regulation (controlling or regulating in general G05) [2]
C25D 21/14	2-Punkt Untergruppe	. . Controlled addition of electrolyte components [2]
C25D 21/16	1-Punkt Untergruppe	. Regeneration of process solutions [2]
C25D 21/18	2-Punkt Untergruppe	. . of electrolytes (C25D 21/22 takes precedence) [2]
C25D 21/20	2-Punkt Untergruppe	. . of rinse-solutions (C25D 21/22 takes precedence) [2]
C25D 21/22	2-Punkt Untergruppe	. . by ion-exchange [2]