| 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] |