

Symbol	Typ	Titel
<b>C</b>	<b>Sektion</b>	<b>CHEMISTRY; METALLURGY</b>
<b>C25</b>	<b>Klasse</b>	<b>ELECTROLYTIC OR ELECTROPHORETIC PROCESSES; APPARATUS THEREFOR [4]</b>
<b>C25D</b>	<b>Unterkategorie</b>	<b>PROCESSES FOR THE ELECTROLYTIC OR ELECTROPHORETIC PRODUCTION OF COATINGS ; ELECTROFORMING (manufacturing printed circuits by metal deposition H05K 3/18); JOINING WORKPIECES BY ELECTROLYSIS; APPARATUS THEREFOR (anodic or cathodic protection C23F 13/00; single-crystal growth C30B) [2, 6]</b>
<b>C25D 1/00</b>	<b>Hauptgruppe</b>	<b>Electroforming [2, 2006.01]</b>
C25D 1/02	1-Punkt Untergruppe	. Tubes; Rings; Hollow bodies [2, 2006.01]
C25D 1/04	1-Punkt Untergruppe	. Wires; Strips; Foils [2, 2006.01]
C25D 1/06	1-Punkt Untergruppe	. Wholly-metallic mirrors [2, 2006.01]
C25D 1/08	1-Punkt Untergruppe	. Perforated or foraminous objects, e.g. sieves (C25D 1/10 takes precedence) [2, 2006.01]
C25D 1/10	1-Punkt Untergruppe	. Moulds; Masks; Masterforms [2, 2006.01]
C25D 1/12	1-Punkt Untergruppe	. by electrophoresis [2, 2006.01]
C25D 1/14	2-Punkt Untergruppe	... of inorganic material [2, 2006.01]
C25D 1/16	3-Punkt Untergruppe	... Metals [2, 2006.01]
C25D 1/18	2-Punkt Untergruppe	... of organic material [2, 2006.01]
C25D 1/20	1-Punkt Untergruppe	. Separation of the formed objects from the electrodes [2, 2006.01]
C25D 1/22	2-Punkt Untergruppe	... Separating compounds [2, 2006.01]
<b>C25D 2/00</b>	<b>Hauptgruppe</b>	<b>Joining workpieces by electrolysis [6, 2006.01]</b>
<b>C25D 3/00</b>	<b>Hauptgruppe</b>	<b>Electroplating; Baths therefor [2, 2006.01]</b>
C25D 3/02	1-Punkt Untergruppe	. from solutions (C25D 5/24-C25D 5/32 take precedence) [2, 2006.01]
C25D 3/04	2-Punkt Untergruppe	... of chromium [2, 2006.01]
C25D 3/06	3-Punkt Untergruppe	... from solutions of trivalent chromium [2, 2006.01]
C25D 3/08	3-Punkt Untergruppe	... Deposition of black chromium [2, 2006.01]
C25D 3/10	3-Punkt Untergruppe	... characterised by the organic bath constituents used [2, 2006.01]
C25D 3/12	2-Punkt Untergruppe	... of nickel or cobalt [2, 2006.01]
C25D 3/14	3-Punkt Untergruppe	... from baths containing acetylenic or heterocyclic compounds [2, 2006.01]
C25D 3/16	4-Punkt Untergruppe	.... Acetylenic compounds [2, 2006.01]
C25D 3/18	4-Punkt Untergruppe	.... Heterocyclic compounds [2, 2006.01]
C25D 3/20	2-Punkt Untergruppe	... of iron [2, 2006.01]
C25D 3/22	2-Punkt Untergruppe	... of zinc [2, 2006.01]
C25D 3/24	3-Punkt Untergruppe	... from cyanide baths [2, 2006.01]
C25D 3/26	2-Punkt Untergruppe	... of cadmium [2, 2006.01]
C25D 3/28	3-Punkt Untergruppe	... from cyanide baths [2, 2006.01]

Symbol	Typ	Titel
C25D 3/30	2-Punkt Untergruppe	... of tin [2, 2006.01]
C25D 3/32	3-Punkt Untergruppe	... characterised by the organic bath constituents used [2, 2006.01]
C25D 3/34	2-Punkt Untergruppe	... of lead [2, 2006.01]
C25D 3/36	3-Punkt Untergruppe	... characterised by the organic bath constituents used [2, 2006.01]
C25D 3/38	2-Punkt Untergruppe	... of copper [2, 2006.01]
C25D 3/40	3-Punkt Untergruppe	... from cyanide baths [2, 2006.01]
C25D 3/42	2-Punkt Untergruppe	... of light metals [2, 2006.01]
C25D 3/44	3-Punkt Untergruppe	... Aluminium [2, 2006.01]
C25D 3/46	2-Punkt Untergruppe	... of silver [2, 2006.01]
C25D 3/48	2-Punkt Untergruppe	... of gold [2, 2006.01]
C25D 3/50	2-Punkt Untergruppe	... of platinum group metals [2, 2006.01]
C25D 3/52	3-Punkt Untergruppe	... characterised by the organic bath constituents used [2, 2006.01]
C25D 3/54	2-Punkt Untergruppe	... of metals not provided for in groups C25D 3/04-C25D 3/50 [2, 2006.01]
C25D 3/56	2-Punkt Untergruppe	... of alloys [2, 2006.01]
C25D 3/58	3-Punkt Untergruppe	... containing more than 50% by weight of copper [2, 2006.01]
C25D 3/60	3-Punkt Untergruppe	... containing more than 50% by weight of tin [2, 2006.01]
C25D 3/62	3-Punkt Untergruppe	... containing more than 50% by weight of gold [2, 2006.01]
C25D 3/64	3-Punkt Untergruppe	... containing more than 50% by weight of silver [2, 2006.01]
C25D 3/66	1-Punkt Untergruppe	. from melts [2, 2006.01]
<b>C25D 5/00</b>	<b>Hauptgruppe</b>	<b>Electroplating characterised by the process; Pretreatment or after-treatment of workpieces [2, 2006.01]</b>
C25D 5/02	1-Punkt Untergruppe	. Electroplating of selected surface areas [2, 2006.01]
C25D 5/04	1-Punkt Untergruppe	. Electroplating with moving electrodes [2, 2006.01]
C25D 5/06	2-Punkt Untergruppe	... Brush or pad plating [2, 2006.01]
C25D 5/08	1-Punkt Untergruppe	. Electroplating with moving electrolyte, e.g. jet electroplating [2, 2006.01]
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, 2006.01]
C25D 5/12	2-Punkt Untergruppe	... at least one layer being of nickel or chromium [2, 2006.01]
C25D 5/14	3-Punkt Untergruppe	... two or more layers being of nickel or chromium, e.g. duplex or triplex layers [2, 2006.01]
C25D 5/16	1-Punkt Untergruppe	. Electroplating with layers of varying thickness [2, 2006.01]
C25D 5/18	1-Punkt Untergruppe	. Electroplating using modulated, pulsed or reversing current [2, 2006.01]
C25D 5/20	1-Punkt Untergruppe	. Electroplating using ultrasonics [2, 2006.01]
C25D 5/22	1-Punkt Untergruppe	. Electroplating combined with mechanical treatment during the deposition [2, 2006.01]

Symbol	Typ	Titel
C25D 5/24	1-Punkt Untergruppe	. Electroplating of metal surfaces to which a coating cannot readily be applied (C25D 5/34 takes precedence) [2, 2006.01]
C25D 5/26	2-Punkt Untergruppe	... of iron or steel surfaces [2, 2006.01]
C25D 5/28	2-Punkt Untergruppe	... of surfaces of refractory metals [2, 2006.01]
C25D 5/30	2-Punkt Untergruppe	... of surfaces of light metals [2, 2006.01]
C25D 5/32	2-Punkt Untergruppe	... of surfaces of actinides [2, 2006.01]
C25D 5/34	1-Punkt Untergruppe	. Pretreatment of metallic surfaces to be electroplated [2, 2006.01]
C25D 5/36	2-Punkt Untergruppe	... of iron or steel [2, 2006.01]
C25D 5/38	2-Punkt Untergruppe	... of refractory metals or nickel [2, 2006.01]
C25D 5/40	3-Punkt Untergruppe	... Nickel; Chromium [2, 2006.01]
C25D 5/42	2-Punkt Untergruppe	... of light metals [2, 2006.01]
C25D 5/44	3-Punkt Untergruppe	... Aluminium [2, 2006.01]
C25D 5/46	2-Punkt Untergruppe	... of actinides [2, 2006.01]
C25D 5/48	1-Punkt Untergruppe	. After-treatment of electroplated surfaces [2, 2006.01]
C25D 5/50	2-Punkt Untergruppe	... by heat-treatment [2, 2006.01]
C25D 5/52	2-Punkt Untergruppe	... by brightening or burnishing [2, 2006.01]
C25D 5/54	1-Punkt Untergruppe	. Electroplating of non-metallic surfaces (C25D 7/12 takes precedence) [2, 2006.01]
C25D 5/56	2-Punkt Untergruppe	... of plastics [2, 2006.01]
<b>C25D 7/00</b>	<b>Hauptgruppe</b>	<b>Electroplating characterised by the article coated [2, 2006.01]</b>
C25D 7/02	1-Punkt Untergruppe	. Slide fasteners [2, 2006.01]
C25D 7/04	1-Punkt Untergruppe	. Tubes; Rings; Hollow bodies [2, 2006.01]
C25D 7/06	1-Punkt Untergruppe	. Wires; Strips; Foils [2, 2006.01]
C25D 7/08	1-Punkt Untergruppe	. Mirrors; Reflectors [2, 2006.01]
C25D 7/10	1-Punkt Untergruppe	. Bearings [2, 2006.01]
C25D 7/12	1-Punkt Untergruppe	. Semiconductors [2, 2006.01]
<b>C25D 9/00</b>	<b>Hauptgruppe</b>	<b>Electrolytic coating other than with metals (C25D 11/00, C25D 15/00 take precedence; electrophoretic coating C25D 13/00) [2, 2006.01]</b>
C25D 9/02	1-Punkt Untergruppe	. with organic materials [2, 2006.01]
C25D 9/04	1-Punkt Untergruppe	. with inorganic materials [2, 2006.01]
C25D 9/06	2-Punkt Untergruppe	... by anodic processes [2, 2006.01]
C25D 9/08	2-Punkt Untergruppe	... by cathodic processes [2, 2006.01]
C25D 9/10	3-Punkt Untergruppe	... on iron or steel [2, 2006.01]
C25D 9/12	3-Punkt Untergruppe	... on light metals [2, 2006.01]
<b>C25D 11/00</b>	<b>Hauptgruppe</b>	<b>Electrolytic coating by surface reaction, i.e. forming conversion layers [2, 2006.01]</b>

Symbol	Typ	Titel
C25D 11/02	1-Punkt Untergruppe	. Anodisation [2, 2006.01]
C25D 11/04	2-Punkt Untergruppe	... of aluminium or alloys based thereon [2, 2006.01]
C25D 11/06	3-Punkt Untergruppe	... characterised by the electrolytes used [2, 2006.01]
C25D 11/08	4-Punkt Untergruppe	.... containing inorganic acids [2, 2006.01]
C25D 11/10	4-Punkt Untergruppe	.... containing organic acids [2, 2006.01]
C25D 11/12	3-Punkt Untergruppe	... Anodising more than once, e.g. in different baths [2, 2006.01]
C25D 11/14	3-Punkt Untergruppe	... Producing integrally coloured layers [2, 2006.01]
C25D 11/16	3-Punkt Untergruppe	... Pretreatment [2, 2006.01]
C25D 11/18	3-Punkt Untergruppe	... After-treatment, e.g. pore-sealing [2, 2006.01]
C25D 11/20	4-Punkt Untergruppe	.... Electrolytic after-treatment [2, 2006.01]
C25D 11/22	5-Punkt Untergruppe	..... for colouring layers [2, 2006.01]
C25D 11/24	4-Punkt Untergruppe	.... Chemical after-treatment [2, 2006.01]
C25D 11/26	2-Punkt Untergruppe	... of refractory metals or alloys based thereon [2, 2006.01]
C25D 11/28	2-Punkt Untergruppe	... of actinides or alloys based thereon [2, 2006.01]
C25D 11/30	2-Punkt Untergruppe	... of magnesium or alloys based thereon [2, 2006.01]
C25D 11/32	2-Punkt Untergruppe	... of semiconducting materials [2, 2006.01]
C25D 11/34	2-Punkt Untergruppe	... of metals or alloys not provided for in groups C25D 11/04-C25D 11/32 [2, 2006.01]
C25D 11/36	1-Punkt Untergruppe	. Phosphatising [2, 2006.01]
C25D 11/38	1-Punkt Untergruppe	. Chromatising [2, 2006.01]
<b>C25D 13/00</b>	<b>Hauptgruppe</b>	<b>Electrophoretic coating characterised by the process (C25D 15/00 takes precedence; compositions for electrophoretic coating C09D 5/44) [2, 2006.01]</b>
C25D 13/02	1-Punkt Untergruppe	. with inorganic material [2, 2006.01]
C25D 13/04	1-Punkt Untergruppe	. with organic material [2, 2006.01]
C25D 13/06	2-Punkt Untergruppe	... polymers [2, 2006.01]
C25D 13/08	3-Punkt Untergruppe	... by polymerisation <u>in situ</u> of monomeric materials [2, 2006.01]
C25D 13/10	1-Punkt Untergruppe	. characterised by the additives used [2, 2006.01]
C25D 13/12	1-Punkt Untergruppe	. characterised by the article coated [2, 2006.01]
C25D 13/14	2-Punkt Untergruppe	... Tubes; Rings; Hollow bodies [2, 2006.01]
C25D 13/16	2-Punkt Untergruppe	... Wires; Strips; Foils [2, 2006.01]
C25D 13/18	1-Punkt Untergruppe	. using modulated, pulsed or reversing current [2, 2006.01]
C25D 13/20	1-Punkt Untergruppe	. Pretreatment [2, 2006.01]
C25D 13/22	1-Punkt Untergruppe	. Servicing or operating [2, 2006.01]

Symbol	Typ	Titel
C25D 13/24	2-Punkt Untergruppe	... Regeneration of process liquids [2, 2006.01]
<b>C25D 15/00</b>	<b>Hauptgruppe</b>	<b>Electrolytic or electrophoretic production of coatings containing embedded materials, e.g. particles, whiskers, wires [2, 2006.01]</b>
C25D 15/02	1-Punkt Untergruppe	. Combined electrolytic and electrophoretic processes [2, 2006.01]
<b>C25D 17/00</b>	<b>Hauptgruppe</b>	<b>Constructional parts, or assemblies thereof, of cells for electrolytic coating [2, 2006.01]</b>
C25D 17/02	1-Punkt Untergruppe	. Tanks; Installations therefor [2, 2006.01]
C25D 17/04	2-Punkt Untergruppe	... External supporting frames or structures [2, 2006.01]
C25D 17/06	1-Punkt Untergruppe	. Suspending or supporting devices for articles to be coated [2, 2006.01]
C25D 17/08	2-Punkt Untergruppe	... Racks [2, 2006.01]
C25D 17/10	1-Punkt Untergruppe	. Electrodes [2, 2006.01]
C25D 17/12	2-Punkt Untergruppe	... Shape or form (C25D 17/14 takes precedence) [2, 2006.01]
C25D 17/14	2-Punkt Untergruppe	... for pad-plating [2, 2006.01]
C25D 17/16	1-Punkt Untergruppe	. Apparatus for electrolytic coating of small objects in bulk [2, 2006.01]
C25D 17/18	2-Punkt Untergruppe	... having closed containers [2, 2006.01]
C25D 17/20	3-Punkt Untergruppe	... Horizontal barrels [2, 2006.01]
C25D 17/22	2-Punkt Untergruppe	... having open containers [2, 2006.01]
C25D 17/24	3-Punkt Untergruppe	... Oblique barrels [2, 2006.01]
C25D 17/26	3-Punkt Untergruppe	... Oscillating baskets [2, 2006.01]
C25D 17/28	2-Punkt Untergruppe	... with means for moving the objects individually through the apparatus during the treatment [2, 2006.01]
<b>C25D 19/00</b>	<b>Hauptgruppe</b>	<b>Electrolytic coating plants [2, 2006.01]</b>
<b>C25D 21/00</b>	<b>Hauptgruppe</b>	<b>Processes for servicing or operating cells for electrolytic coating [2, 2006.01]</b>
C25D 21/02	1-Punkt Untergruppe	. Heating or cooling [2, 2006.01]
C25D 21/04	1-Punkt Untergruppe	. Removal of gases or vapours [2, 2006.01]
C25D 21/06	1-Punkt Untergruppe	. Filtering [2, 2006.01]
C25D 21/08	1-Punkt Untergruppe	. Rinsing [2, 2006.01]
C25D 21/10	1-Punkt Untergruppe	. Agitating of electrolytes; Moving of racks [2, 2006.01]
C25D 21/11	1-Punkt Untergruppe	. Use of protective surface layers on electrolytic baths [3, 2006.01]
C25D 21/12	1-Punkt Untergruppe	. Process control or regulation [2, 2006.01]
C25D 21/14	2-Punkt Untergruppe	... Controlled addition of electrolyte components [2, 2006.01]
C25D 21/16	1-Punkt Untergruppe	. Regeneration of process solutions [2, 2006.01]
C25D 21/18	2-Punkt Untergruppe	... of electrolytes (C25D 21/22 takes precedence) [2, 2006.01]
C25D 21/20	2-Punkt Untergruppe	... of rinse-solutions (C25D 21/22 takes precedence) [2, 2006.01]
C25D 21/22	2-Punkt Untergruppe	... by ion-exchange [2, 2006.01]