

Symbol	Typ	Titel
H	Sektion	ELECTRICITY
H01	Klasse	BASIC ELECTRIC ELEMENTS
H01M	Unterklasse	PROCESSES OR MEANS, e.g. BATTERIES, FOR THE DIRECT CONVERSION OF CHEMICAL ENERGY INTO ELECTRICAL ENERGY (electrochemical processes or apparatus in general C25; semiconductor or other solid state devices for converting light or heat into electrical energy H01L , e.g. H01L 31/00 , H01L 35/00 , H01L 37/00) [2]
H01M 2/00	Hauptgruppe	Constructional details, or processes of manufacture, of the non-active parts [2]
H01M 2/02	1-Punkt Untergruppe	. Cases, jackets, or wrappings (working of plastics or substances in a plastic state B29) [2]
H01M 2/04	2-Punkt Untergruppe	. . Lids or covers [2]
H01M 2/06	2-Punkt Untergruppe	. . Arrangements for introducing electric connectors into or through cases [2]
H01M 2/08	2-Punkt Untergruppe	. . Sealing materials [2]
H01M 2/10	1-Punkt Untergruppe	. Mountings; Suspension devices; Shock absorbers; Transport or carrying devices; Holders (structural combination of accumulators with charging apparatus H01M 10/46) [2]
H01M 2/12	1-Punkt Untergruppe	. Vent plugs or other mechanical arrangements for facilitating escape of gases [2]
H01M 2/14	1-Punkt Untergruppe	. Separators; Membranes; Diaphragms; Spacing elements [2]
H01M 2/16	2-Punkt Untergruppe	. . characterised by the material [2]
H01M 2/18	2-Punkt Untergruppe	. . characterised by the shape [2]
H01M 2/20	1-Punkt Untergruppe	. Current-conducting connections for cells [2]
H01M 2/22	2-Punkt Untergruppe	. . Fixed connections, i.e. not intended for disconnection [2]
H01M 2/24	3-Punkt Untergruppe	. . . Intercell connections through partitions, e.g. in a battery case [2]
H01M 2/26	3-Punkt Untergruppe	. . . Electrode connections [2]
H01M 2/28	4-Punkt Untergruppe	 for lead-acid accumulators [2]
H01M 2/30	2-Punkt Untergruppe	. . Terminals [2]
H01M 2/32	2-Punkt Untergruppe	. . Methods or arrangements for affording protection against corrosion; Selection of materials therefor [2]
H01M 2/34	2-Punkt Untergruppe	. . with provision for preventing undesired use or discharge [2]
H01M 2/36	1-Punkt Untergruppe	. Arrangements for filling, topping-up or emptying cases with or of liquid, e.g. for filling with electrolytes, for washing-out [2]
H01M 2/38	1-Punkt Untergruppe	. Arrangements for moving electrolytes [2]
H01M 2/40	2-Punkt Untergruppe	. . with external circulating path (H01M 8/04 takes precedence) [2]
H01M 4/00	Hauptgruppe	Electrodes (electrodes for electrolytic processes C25) [2]
H01M 4/02	1-Punkt Untergruppe	. Electrodes composed of, or comprising, active material [2]
H01M 4/04	2-Punkt Untergruppe	. . Processes of manufacture in general [2]
H01M 4/06	2-Punkt Untergruppe	. . Electrodes for primary cells [2]
H01M 4/08	3-Punkt Untergruppe	. . . Processes of manufacture [2]
H01M 4/10	4-Punkt Untergruppe	 of pressed electrodes with central core, i.e. dollies [2]

Symbol	Typ	Titel
H01M 4/12	4-Punkt Untergruppe	 of consumable metal or alloy electrodes (use of alloy compositions as active materials H01M 4/38) [2]
H01M 4/14	2-Punkt Untergruppe	. . Electrodes for lead-acid accumulators [2]
H01M 4/16	3-Punkt Untergruppe	. . . Processes of manufacture [2]
H01M 4/18	4-Punkt Untergruppe	 of Plante electrodes [2]
H01M 4/20	4-Punkt Untergruppe	 of pasted electrodes [2]
H01M 4/21	5-Punkt Untergruppe	 Drying of pasted electrodes [2]
H01M 4/22	4-Punkt Untergruppe	 Forming of electrodes [2]
H01M 4/23	5-Punkt Untergruppe	 Drying or preserving electrodes after forming [2]
H01M 4/24	2-Punkt Untergruppe	. . Electrodes for alkaline accumulators [2]
H01M 4/26	3-Punkt Untergruppe	. . . Processes of manufacture [2]
H01M 4/28	4-Punkt Untergruppe	 Precipitating active material on the carrier [2]
H01M 4/29	5-Punkt Untergruppe	 by electrochemical methods [2]
H01M 4/30	4-Punkt Untergruppe	 Pressing [2]
H01M 4/32	3-Punkt Untergruppe	. . . Nickel oxide or hydroxide electrodes [2]
H01M 4/34	3-Punkt Untergruppe	. . . Silver oxide or hydroxide electrodes [2]
H01M 4/36	2-Punkt Untergruppe	. . Selection of substances as active materials, active masses, active liquids [2]
H01M 4/38	3-Punkt Untergruppe	. . . of elements or alloys [2]
H01M 4/40	4-Punkt Untergruppe	 Alloys based on alkali metals [2]
H01M 4/42	4-Punkt Untergruppe	 Alloys based on zinc [2]
H01M 4/44	4-Punkt Untergruppe	 Alloys based on cadmium [2]
H01M 4/46	4-Punkt Untergruppe	 Alloys based on magnesium or aluminium [2]
H01M 4/48	3-Punkt Untergruppe	. . . of inorganic oxides or hydroxides [2]
H01M 4/50	4-Punkt Untergruppe	 of manganese [2]
H01M 4/52	4-Punkt Untergruppe	 of nickel, cobalt, or iron [2]
H01M 4/54	4-Punkt Untergruppe	 of silver [2]
H01M 4/56	4-Punkt Untergruppe	 of lead [2]
H01M 4/57	5-Punkt Untergruppe	 of "grey lead", i.e. powders containing lead and lead oxide [2]
H01M 4/58	3-Punkt Untergruppe	. . . of inorganic compounds other than oxides or hydroxides [2]
H01M 4/60	3-Punkt Untergruppe	. . . of organic compounds [2]
H01M 4/62	2-Punkt Untergruppe	. . Selection of inactive substances as ingredients for active masses, e.g. binders, fillers [2]
H01M 4/64	2-Punkt Untergruppe	. . Carriers or collectors [2]
H01M 4/66	3-Punkt Untergruppe	. . . Selection of materials [2]

Symbol	Typ	Titel
H01M 4/68	4-Punkt Untergruppe	 for use in lead-acid accumulators [2]
H01M 4/70	3-Punkt Untergruppe	. . . characterised by shape or form [2]
H01M 4/72	4-Punkt Untergruppe	 Grids [2]
H01M 4/73	5-Punkt Untergruppe	 for lead-acid accumulators, e.g. frame plates [2]
H01M 4/74	5-Punkt Untergruppe	 Meshes or woven material; Expanded metal [2]
H01M 4/75	4-Punkt Untergruppe	 Wires, rods, or strips [2]
H01M 4/76	4-Punkt Untergruppe	 Containers for holding the active material, e.g. tubes, capsules [2]
H01M 4/78	4-Punkt Untergruppe	 Shapes other than plane or cylindrical, e.g. helical [2]
H01M 4/80	4-Punkt Untergruppe	 Porous plates, e.g. sintered carriers [2]
H01M 4/82	3-Punkt Untergruppe	. . . Multi-step processes for manufacturing carriers for lead-acid accumulators (single-step processes, see the relevant subclasses, e.g. B21D , B22D) [2]
H01M 4/84	4-Punkt Untergruppe	 involving casting [2]
H01M 4/86	1-Punkt Untergruppe	. Inert electrodes with catalytic activity, e.g. for fuel cells [2]
H01M 4/88	2-Punkt Untergruppe	. . Processes of manufacture [2]
H01M 4/90	2-Punkt Untergruppe	. . Selection of catalytic material [2]
H01M 4/92	3-Punkt Untergruppe	. . . Metals of platinum group (H01M 4/94 takes precedence) [2]
H01M 4/94	2-Punkt Untergruppe	. . Non-porous diffusion electrodes, e.g. palladium membranes, ion exchange membranes [2]
H01M 4/96	2-Punkt Untergruppe	. . Carbon-based electrodes [2]
H01M 4/98	2-Punkt Untergruppe	. . Raney-type electrodes [2]
H01M 6/00	Hauptgruppe	Primary cells; Manufacture thereof [2]
H01M 6/02	1-Punkt Untergruppe	. Details (of non-active parts H01M 2/00 , of electrodes H01M 4/00) [2]
H01M 6/04	1-Punkt Untergruppe	. Cells with aqueous electrolyte [2]
H01M 6/06	2-Punkt Untergruppe	. . Dry cells, i.e. cells wherein the electrolyte is rendered non-fluid [2]
H01M 6/08	3-Punkt Untergruppe	. . . with cup-shaped electrodes [2]
H01M 6/10	3-Punkt Untergruppe	. . . with wound or folded electrodes [2]
H01M 6/12	3-Punkt Untergruppe	. . . with flat electrodes [2]
H01M 6/14	1-Punkt Untergruppe	. Cells with non-aqueous electrolyte [2]
H01M 6/16	2-Punkt Untergruppe	. . with organic electrolyte (H01M 6/18 takes precedence) [2]
H01M 6/18	2-Punkt Untergruppe	. . with solid electrolyte [2]
H01M 6/20	3-Punkt Untergruppe	. . . working at high temperature (deferred-action thermal cells H01M 6/36) [2]
H01M 6/22	1-Punkt Untergruppe	. Immobilising of electrolyte [2]
H01M 6/24	1-Punkt Untergruppe	. Cells comprising two different electrolytes [2]
H01M 6/26	1-Punkt Untergruppe	. Cells without oxidising active material, e.g. Volta cells [2]

Symbol	Typ	Titel
H01M 6/28	1-Punkt Untergruppe	. Standard cells, e.g. Weston cells [2]
H01M 6/30	1-Punkt Untergruppe	. Deferred-action cells [2]
H01M 6/32	2-Punkt Untergruppe	. . activated through external addition of electrolyte or of electrolyte components [2]
H01M 6/34	3-Punkt Untergruppe	. . . Immersion cells, e.g. sea-water cells [2]
H01M 6/36	2-Punkt Untergruppe	. . containing electrolyte and made operational by physical means, e.g. thermal cells (thermoelectric solid state devices H01L 35/00 , H01L 37/00) [2]
H01M 6/38	3-Punkt Untergruppe	. . . by mechanical means [2]
H01M 6/40	1-Punkt Untergruppe	. Printed batteries [2]
H01M 6/42	1-Punkt Untergruppe	. Grouping of primary cells into batteries (H01M 6/40 takes precedence) [2]
H01M 6/44	2-Punkt Untergruppe	. . of tubular or cup-shaped cells [2]
H01M 6/46	2-Punkt Untergruppe	. . of flat cells [2]
H01M 6/48	3-Punkt Untergruppe	. . . with bipolar electrodes [2]
H01M 6/50	1-Punkt Untergruppe	. Methods or arrangements for servicing or maintenance, e.g. maintaining operating temperature [2]
H01M 6/52	1-Punkt Untergruppe	. Reclaiming serviceable parts of waste cells or batteries [2]
H01M 8/00	Hauptgruppe	Fuel cells; Manufacture thereof [2]
H01M 8/02	1-Punkt Untergruppe	. Details (of non-active parts H01M 2/00 , of electrodes H01M 4/00) [2]
H01M 8/04	1-Punkt Untergruppe	. Auxiliary arrangements or processes, e.g. for control of pressure, for circulation of fluids [2]
H01M 8/06	1-Punkt Untergruppe	. Combination of fuel cell with means for production of reactants or for treatment of residues (regenerative fuel cells H01M 8/18; production of reactants per se, see sections B or C) [2]
H01M 8/08	1-Punkt Untergruppe	. Fuel cells with aqueous electrolytes [2]
H01M 8/10	1-Punkt Untergruppe	. Fuel cells with solid electrolytes [2]
H01M 8/12	2-Punkt Untergruppe	. . operating at high temperature, e.g. with stabilised ZrO ₂ electrolyte [2]
H01M 8/14	1-Punkt Untergruppe	. Fuel cells with fused electrolytes [2]
H01M 8/16	1-Punkt Untergruppe	. Biochemical fuel cells, i.e. cells in which micro-organisms function as catalysts [2]
H01M 8/18	1-Punkt Untergruppe	. Regenerative fuel cells [2]
H01M 8/20	1-Punkt Untergruppe	. Indirect fuel cells, e.g. redox cells (H01M 8/18 takes precedence) [2]
H01M 8/22	1-Punkt Untergruppe	. Fuel cells in which the fuel is based on materials comprising carbon or oxygen or hydrogen and other elements; Fuel cells in which the fuel is based on materials comprising only elements other than carbon, oxygen, or hydrogen [2]
H01M 8/24	1-Punkt Untergruppe	. Grouping of fuel cells into batteries, e.g. modules [2]
H01M 10/00	Hauptgruppe	Secondary cells; Manufacture thereof [2]
H01M 10/02	1-Punkt Untergruppe	. Details (of non-active parts H01M 2/00 , of electrodes H01M 4/00) [2]
H01M 10/04	1-Punkt Untergruppe	. Construction or manufacture in general (H01M 10/12 , H01M 10/28 , H01M 10/38 take precedence) [2]
H01M 10/06	1-Punkt Untergruppe	. Lead-acid accumulators (semi-lead accumulators H01M 10/20) [2]
H01M 10/08	2-Punkt Untergruppe	. . Selection of materials as electrolytes [2]

Symbol	Typ	Titel
H01M 10/10	3-Punkt Untergruppe	. . . Immobilising of electrolyte [2]
H01M 10/12	2-Punkt Untergruppe	. . Construction or manufacture [2]
H01M 10/14	3-Punkt Untergruppe	. . . Assembling a group of electrodes or separators [2]
H01M 10/16	3-Punkt Untergruppe	. . . Suspending or supporting electrodes or groups of electrodes in the case [2]
H01M 10/18	2-Punkt Untergruppe	. . with bipolar electrodes [2]
H01M 10/20	1-Punkt Untergruppe	. Semi-lead accumulators, i.e. accumulators in which only one electrode contains lead [2]
H01M 10/22	2-Punkt Untergruppe	. . Selection of materials as electrolytes [2]
H01M 10/24	1-Punkt Untergruppe	. Alkaline accumulators [2]
H01M 10/26	2-Punkt Untergruppe	. . Selection of materials as electrolytes [2]
H01M 10/28	2-Punkt Untergruppe	. . Construction or manufacture [2]
H01M 10/30	2-Punkt Untergruppe	. . Nickel accumulators (H01M 10/34 takes precedence) [2]
H01M 10/32	2-Punkt Untergruppe	. . Silver accumulators (H01M 10/34 takes precedence) [2]
H01M 10/34	1-Punkt Untergruppe	. Gastight accumulators [2]
H01M 10/36	1-Punkt Untergruppe	. Accumulators not provided for in groups H01M 10/06 to H01M 10/34 [2]
H01M 10/38	2-Punkt Untergruppe	. . Construction or manufacture [2]
H01M 10/39	2-Punkt Untergruppe	. . working at high temperature [2]
H01M 10/40	2-Punkt Untergruppe	. . with organic electrolytes [2]
H01M 10/42	1-Punkt Untergruppe	. Methods or arrangements for servicing or maintenance of secondary cells or secondary half-cells [2]
H01M 10/44	2-Punkt Untergruppe	. . Methods for charging or discharging (circuits for charging H02J 7/00) [2]
H01M 10/46	2-Punkt Untergruppe	. . Accumulators structurally combined with charging apparatus (circuits for charging H02J 7/00) [2]
H01M 10/48	2-Punkt Untergruppe	. . Accumulators combined with arrangements for measuring, testing, or indicating condition, e.g. level or density of the electrolyte (indicating or measuring level of liquid in general G01F 23/00; measuring density G01N , e.g. G01N 9/00; measuring electric variables G01R) [2]
H01M 10/50	2-Punkt Untergruppe	. . Heating or cooling or regulating temperature (control of temperature in general G05D 23/00) [2]
H01M 10/52	2-Punkt Untergruppe	. . Removing gases inside the secondary cell, e.g. by absorption (vent plugs or other mechanical arrangements for facilitating escape of gases H01M 2/12) [2]
H01M 10/54	1-Punkt Untergruppe	. Reclaiming serviceable parts of waste accumulators [2]
H01M 12/00	Hauptgruppe	Hybrid cells; Manufacture thereof [2]
H01M 12/02	1-Punkt Untergruppe	. Details (of non-active parts H01M 2/00 , of electrodes H01M 4/00) [2]
H01M 12/04	1-Punkt Untergruppe	. composed of a half-cell of the fuel-cell type and of a half-cell of the primary-cell type (methods or arrangements for servicing or maintenance H01M 6/50) [2]
H01M 12/06	2-Punkt Untergruppe	. . with one metallic and one gaseous electrode [2]
H01M 12/08	1-Punkt Untergruppe	. composed of a half-cell of a fuel-cell type and a half-cell of the secondary-cell type (methods or arrangements for servicing or maintenance, e.g. for charging, H01M 10/42) [2]
H01M 14/00	Hauptgruppe	Electrochemical current or voltage generators not provided for in groups H01M 6/00 to H01M 12/00 [2]

Symbol	Typ	Titel
H01M 16/00	Hauptgruppe	Structural combinations of different types of electrochemical generators [2]