

Symbol	Typ	Titel
B	Sektion	SECTION B — PERFORMING OPERATIONS; TRANSPORTING
B05	Klasse	SPRAYING OR ATOMISING IN GENERAL; APPLYING LIQUIDS OR OTHER FLUENT MATERIALS TO SURFACES, IN GENERAL (domestic cleaning A47L; cleaning in general by methods essentially involving the use or presence of liquid B08B 3/00; sand-blasting B24C; coating of articles during shaping of substances in a plastic state B29C 39/10, B29C 39/18, B29C 41/20, B29C 41/30, B29C 43/18, B29C 43/28, B29C 45/14, B29C 47/02; for further classification of forming layered products, <u>see</u> B32B; printing, copying B41; conveying articles or workpieces through baths of liquid B65G, e.g. B65G 49/02; handling webs or filaments in general B65H; surface treatment of glass by coating C03C 17/00, C03C 25/10; coating or impregnation of mortars, concrete, stone or ceramics C04B 41/45, C04B 41/61, C04B 41/81; paints, varnishes, lacquers C09D; enamelling of metals, applying a vitreous layer to metals, chemical cleaning or de-greasing of metallic objects C23; electroplating C25D; treating of textile materials by liquids, gases or vapours D06B; laundering D06F; treating roads E01C; apparatus or processes for the preparation or treatment of photosensitive materials G03; apparatus or processes, restricted to a purpose fully provided for in a single other class, <u>see</u> the relevant class covering the purpose) [2]
B05B	Unterklasse	SPRAYING APPARATUS; ATOMISING APPARATUS; NOZZLES (spray-mixers with nozzles B01F 5/20; processes for applying liquids or other fluent materials to surfaces by spraying B05D; means for pumping fluids F04; valves, e.g. water-taps, F16K) [2]
B05B 1/00	Hauptgruppe	Nozzles, spray heads or other outlets, with or without auxiliary devices such as valves, heating means (B05B 3/00, B05B 5/00, B05B 7/00 take precedence; devices for applying liquids or other fluent materials to surfaces by contact B05C; nozzles for ink-jet printing mechanisms B41J 2/135; closures for containers B65D; nozzles for liquid-dispensing, e.g. in vehicle service stations, B67D 5/37)
B05B 1/02	1-Punkt Untergruppe	. designed to produce a jet, spray, or other discharge of particular shape or nature, e.g. in single drops (B05B 1/26, B05B 1/28, B05B 1/34 take precedence)
B05B 1/04	2-Punkt Untergruppe	. . in flat form, e.g. fan-like, sheet-like
B05B 1/06	2-Punkt Untergruppe	. . in annular, tubular or hollow conical form
B05B 1/08	2-Punkt Untergruppe	. . of pulsating nature, e.g. delivering liquid in successive separate quantities
B05B 1/10	2-Punkt Untergruppe	. . in the form of a fine jet, e.g. for use in wind-screen washers
B05B 1/12	1-Punkt Untergruppe	. capable of producing different kinds of discharge, e.g. either jet or spray (B05B 1/16 takes precedence)
B05B 1/14	1-Punkt Untergruppe	. with multiple outlet openings (B05B 1/02, B05B 1/26 take precedence); with strainers in or outside the outlet opening
B05B 1/16	2-Punkt Untergruppe	. . having selectively-effective outlets
B05B 1/18	2-Punkt Untergruppe	. . Roses; Shower heads
B05B 1/20	2-Punkt Untergruppe	. . Perforated pipes or troughs, e.g. spray booms; Outlet elements therefor
B05B 1/22	1-Punkt Untergruppe	. Spouts (anti-splash devices for water-taps E03C 1/08)
B05B 1/24	1-Punkt Untergruppe	. incorporating means for heating the liquid or other fluent material, e.g. electrically

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B05B 1/26	1-Punkt Untergruppe	. with means for mechanically breaking-up or deflecting the jet after discharge, e.g. with fixed deflectors; Breaking-up the discharged liquid or other fluent material by impinging jets
B05B 1/28	1-Punkt Untergruppe	. with integral means for shielding the discharged liquid or other fluent material, e.g. to limit area of spray; with integral means for catching drips or collecting surplus liquid or other fluent material (means for any of these purposes, <u>per se</u> , B05B 15/04)
B05B 1/30	1-Punkt Untergruppe	. designed to control volume of flow, e.g. with adjustable passages (B05B 1/02 takes precedence)
B05B 1/32	2-Punkt Untergruppe	. . in which a valve member forms part of the outlet opening
B05B 1/34	1-Punkt Untergruppe	. designed to influence the nature of flow of the liquid or other fluent material, e.g. to produce swirl (B05B 1/30 takes precedence)
B05B 1/36	1-Punkt Untergruppe	. Outlets for discharging by overflow
B05B 3/00	Hauptgruppe	Spraying or sprinkling apparatus with moving outlet elements or moving deflecting elements (B05B 5/00 takes precedence)
B05B 3/02	1-Punkt Untergruppe	. with rotating elements
B05B 3/04	2-Punkt Untergruppe	. . driven by the liquid or other fluent material discharged, e.g. the liquid actuating a motor before passing to the outlet
B05B 3/06	3-Punkt Untergruppe	. . . by jet reaction
B05B 3/08	2-Punkt Untergruppe	. . in association with stationary outlet or deflecting elements
B05B 3/10	2-Punkt Untergruppe	. . discharging over substantially the whole periphery of the rotating member
B05B 3/12	2-Punkt Untergruppe	. . with spray booms or the like rotating around an axis by means independent of the liquid or other fluent material discharged
B05B 3/14	1-Punkt Untergruppe	. with oscillating elements; with intermittent operation
B05B 3/16	2-Punkt Untergruppe	. . driven or controlled by the liquid or other fluent material discharged, e.g. the liquid actuating a motor before passing to the outlet
B05B 3/18	1-Punkt Untergruppe	. with elements moving in a straight line, e.g. along a track; Mobile sprinklers [2]
B05B 5/00	Hauptgruppe	Electrostatic spraying apparatus; Spraying apparatus with means for charging the spray electrically; Apparatus for spraying liquids or other fluent materials by other electric means
B05B 5/025	1-Punkt Untergruppe	. Discharge apparatus, e.g. electrostatic spray guns [5]
B05B 5/03	2-Punkt Untergruppe	. . characterised by the use of gas [5]
B05B 5/035	2-Punkt Untergruppe	. . characterised by gasless spraying [5]
B05B 5/04	2-Punkt Untergruppe	. . characterised by having rotary outlet or deflecting elements
B05B 5/043	2-Punkt Untergruppe	. . using induction-charging [5]
B05B 5/047	2-Punkt Untergruppe	. . using tribo-charging [5]
B05B 5/053	2-Punkt Untergruppe	. . Arrangements for supplying power, e.g. charging power [5]
B05B 5/057	2-Punkt Untergruppe	. . Arrangements for discharging liquids or other fluent material without using a gun or nozzle [5]
B05B 5/06	1-Punkt Untergruppe	. using electric arc
B05B 5/08	1-Punkt Untergruppe	. Plant for applying liquids or other fluent materials to objects
B05B 5/10	2-Punkt Untergruppe	. . Arrangements for supplying power, e.g. charging power (B05B 5/053 takes precedence) [5]

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B05B 5/12	2-Punkt Untergruppe	. . specially adapted for coating the interior of hollow bodies [5]
B05B 5/14	2-Punkt Untergruppe	. . specially adapted for coating continuously moving elongated bodies, e.g. wires, strips, pipes [5]
B05B 5/16	1-Punkt Untergruppe	. Arrangements for supplying liquids or other fluent material [5]
B05B 7/00	Hauptgruppe	Spraying apparatus for discharge of liquids or other fluent materials from two or more sources, e.g. of liquid and air, of powder and gas (B05B 3/00, B05B 5/00 take precedence; outlets not specially modified for two media B05B 1/00)
B05B 7/02	1-Punkt Untergruppe	. Spray pistols; Apparatus for discharge (B05B 7/14, B05B 7/16, B05B 7/24 take precedence)
B05B 7/04	2-Punkt Untergruppe	. . with arrangements for mixing liquids or other fluent materials before discharge (mixing in general B01F, e.g. B01F 5/00; mixing valves F16K 11/00) [2]
B05B 7/06	2-Punkt Untergruppe	. . with one outlet orifice surrounding another approximately in the same plane (B05B 7/10 takes precedence)
B05B 7/08	2-Punkt Untergruppe	. . with separate outlet orifices, e.g. to form parallel jets, to form intersecting jets
B05B 7/10	2-Punkt Untergruppe	. . producing a swirling discharge
B05B 7/12	2-Punkt Untergruppe	. . designed to control volume of flow, e.g. with adjustable passages
B05B 7/14	1-Punkt Untergruppe	. designed for spraying particulate materials (B05B 7/16 takes precedence)
B05B 7/16	1-Punkt Untergruppe	. incorporating means for heating the material to be sprayed
B05B 7/18	2-Punkt Untergruppe	. . the material having originally the shape of a wire, rod, or the like
B05B 7/20	2-Punkt Untergruppe	. . by flame or combustion
B05B 7/22	2-Punkt Untergruppe	. . electrically, e.g. by arc
B05B 7/24	1-Punkt Untergruppe	. with means, e.g. a container, for supplying liquid or other fluent material to a discharge device (B05B 7/14, B05B 7/16, B05B 11/00 take precedence)
B05B 7/26	2-Punkt Untergruppe	. . Apparatus in which liquids or other fluent materials from different sources are brought together before entering the discharge device
B05B 7/28	3-Punkt Untergruppe	. . . in which one liquid or other fluent material is fed or drawn through an orifice into a stream of a carrying fluid
B05B 7/30	4-Punkt Untergruppe the first liquid or other fluent material being fed by gravity, or sucked into the carrying fluid
B05B 7/32	4-Punkt Untergruppe the fed liquid or other fluent material being under pressure
B05B 9/00	Hauptgruppe	Spraying apparatus for discharge of liquid or other fluent material without essentially mixing with gas or vapour (B05B 11/00 takes precedence) [3]
B05B 9/01	1-Punkt Untergruppe	. Spray pistols (B05B 9/03 takes precedence) [3]
B05B 9/03	1-Punkt Untergruppe	. characterised by means for supplying liquid or other fluent material [3]
B05B 9/04	2-Punkt Untergruppe	. . with pressurised or compressible container (aerosol containers B65D 83/14); with pump [3]
B05B 9/043	3-Punkt Untergruppe	. . . having pump readily separable from container [2, 3]
B05B 9/047	3-Punkt Untergruppe	. . . supply being effected by follower in container, e.g. membrane or floating piston [2, 3]
B05B 9/06	3-Punkt Untergruppe	. . . the delivery being related to the movement of a vehicle, e.g. the pump being driven by a vehicle wheel [3]
B05B 9/08	3-Punkt Untergruppe	. . . Apparatus to be carried on or by a person, e.g. of knapsack type (details or components, e.g. casings, bodies, of portable power-driven tools not particularly related to the operation performed B25F 5/00) [3, 4]

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B05B 11/00	Hauptgruppe	Single-unit, i.e. unitary, hand-held apparatus in which flow of liquid or other fluent material is produced by the operator at the moment of use [2]
B05B 11/02	1-Punkt Untergruppe	. the flow being effected by a follower, e.g. membrane, floating piston, in container for liquid or other fluent material [2]
B05B 11/04	1-Punkt Untergruppe	. the flow being effected by deformation of container for liquid or other fluent material [2]
B05B 11/06	1-Punkt Untergruppe	. the spray being effected by gas or vapour flow, e.g. from a compressible bulb [2, 3]
B05B 12/00	Hauptgruppe	Arrangements or special adaptations of delivery controlling means in spraying systems (controlling in general G05) [2]
B05B 12/02	1-Punkt Untergruppe	. for controlling time, or sequence, of delivery [2]
B05B 12/04	2-Punkt Untergruppe	. . for sequential operation or multiple outlets [2]
B05B 12/06	2-Punkt Untergruppe	. . for effecting pulsating flow [2]
B05B 12/08	1-Punkt Untergruppe	. responsive to condition of liquid or other fluent material discharged, of ambient medium or of target [2]
B05B 12/10	2-Punkt Untergruppe	. . responsive to temperature or viscosity of liquid or other fluent material discharged [2]
B05B 12/12	2-Punkt Untergruppe	. . responsive to conditions of ambient medium or target, e.g. humidity, temperature [2]
B05B 12/14	1-Punkt Untergruppe	. for supplying a selected one of a plurality of liquids or other fluent materials to a single spray outlet [3]
B05B 13/00	Hauptgruppe	Machines or plants for applying liquids or other fluent materials to surfaces of objects or other work by spraying, not covered by groups B05B 1/00-B05B 11/00 (processes for applying liquids or other fluent materials to surfaces in general B05D; means for supplying or discharging liquid or other fluent material for this purpose, <u>see</u> the relevant one of groups B05B 1/00-B05B 12/00) [3]
B05B 13/02	1-Punkt Untergruppe	. Means for supporting work; Arrangement or mounting of spray heads; Adaptation or arrangement of means for feeding work (B05B 13/06 takes precedence)
B05B 13/04	2-Punkt Untergruppe	. . the spray heads being moved during operation
B05B 13/06	1-Punkt Untergruppe	. specially designed for treating the inside of hollow bodies (spray heads B05B 1/00-B05B 7/00)
B05B 15/00	Hauptgruppe	Details of spraying plant or apparatus not otherwise provided for; Accessories (accessories applicable to other methods of applying liquids or other fluent materials to surfaces B05C) [4]
B05B 15/02	1-Punkt Untergruppe	. Arrangements or devices for cleaning discharge openings
B05B 15/04	1-Punkt Untergruppe	. Control of spray area, e.g. masking, side shields; Means for collection or re-use of excess material (B05B 1/28 takes precedence)
B05B 15/06	1-Punkt Untergruppe	. Mountings, supporting or holding means, or rests for spray heads or other outlets when in use or out of use (B05B 15/10 takes precedence)
B05B 15/08	2-Punkt Untergruppe	. . Means for adjusting position of spray heads
B05B 15/10	1-Punkt Untergruppe	. Arrangements for moving spray heads automatically to or from the working position
B05B 15/12	1-Punkt Untergruppe	. Spray booths [4]
B05B 17/00	Hauptgruppe	Apparatus for spraying or atomising liquids or other fluent materials, not covered by any other group of this subclass (dropping or releasing powdered, liquid or gaseous matter in flight B64D 1/16) [2]
B05B 17/04	1-Punkt Untergruppe	. operating with special methods
B05B 17/06	2-Punkt Untergruppe	. . using ultrasonic vibrations
B05B 17/08	1-Punkt Untergruppe	. Fountains (drinking fountains E03B 9/20; wash fountains E03C 1/16)