

| Symbol | Typ | Titel |
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| B | Sektion | 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, see 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, see 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 |
| 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 |

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| 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, per se, 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] |
| 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] |

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| 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] |
| 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] |

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| 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 to 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, see the relevant preceding groups) [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 to 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 the preceding groups (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) |