SECTION B — PERFORMING OPERATIONS; TRANSPORTING

B05 SPRAYING OR ATOMISING IN GENERAL; APPLYING LIQUIDS OR OTHER FLUENT MATERIALS TO SURFACES, IN GENERAL

B05C APPARATUS FOR APPLYING LIQUIDS OR OTHER FLUENT MATERIALS TO SURFACES, IN GENERAL (spraying apparatus, atomising apparatus, nozzles B05B; plant for applying liquids or other fluent materials to objects by electrostatic spraying B05B 5/08) **[2]**

Note(s)

1. This subclass covers apparatus or hand tools, in general, for applying liquids or other fluent materials to a surface or a part thereof, by any mechanical or physical method, in particular apparatus for obtaining a uniform distribution of liquids or other fluent materials on a surface.
2. Hand tools or apparatus using hand-held tools are classified in group B05C 17/00.

Subclass index

APPARATUS CHARACTERISED BY THE MEANS USED.....1/00, 3/00, 5/00, 9/00
APPARATUS FOR SPECIAL WORK OR MATERIALS.....7/00, 19/00
HAND TOOLS.....17/00
DETAILS OR ACCESSORIES.....11/00, 13/00, 15/00, 17/00, 21/00

1/00 Apparatus in which liquid or other fluent material is applied to the surface of the work by contact with a member carrying the liquid or other fluent material, e.g. a porous member loaded with a liquid to be applied as a coating (B05C 5/02, B05C 7/00, B05C 19/00 take precedence) **[2]**

1/02 • for applying liquid or other fluent material to separate articles
1/04 • for applying liquid or other fluent material to work of indefinite length
1/06 • • by rubbing contact, e.g. by brushes, by pads
1/08 • • using a roller **[2]**
1/10 • • • the liquid or other fluent material being supplied from inside the roller
1/12 • • • the work being fed round the roller (B05C 1/10 takes precedence)
1/14 • • using a travelling band **[2]**
1/16 • • only at particular parts of the work

3/00 Apparatus in which the work is brought into contact with a bulk quantity of liquid or other fluent material (B05C 19/00 takes precedence) **[2]**

3/02 • the work being immersed in the liquid or other fluent material
3/04 • • with special provision for agitating the work or the liquid or other fluent material
3/05 • • • by applying vibrations thereto
3/08 • • • the work and the liquid or other fluent material being agitated together in a container, e.g. tumbled (B05C 3/05 takes precedence)
3/09 • • for treating separate articles
3/10 • • • the articles being moved through the liquid or other fluent material
3/109 • • • Passing liquids or other fluent materials into or through chambers containing stationary articles
3/12 • • for treating work of indefinite length
3/132 • • • supported on conveying means
3/15 • • • not supported on conveying means
3/152 • • • • the work passing in zig-zag fashion over rollers
3/172 • • • • in endless form
3/18 • only one side of the work coming into contact with the liquid or other fluent material (B05C 3/02 takes precedence) **[2]**
3/20 • for applying liquid or other fluent material only at particular parts of the work (B05C 3/02 takes precedence) **[2]**

5/00 Apparatus in which liquid or other fluent material is projected, poured or allowed to flow on to the surface of the work (B05C 7/00, B05C 19/00 take precedence)

5/02 • from an outlet device in contact, or almost in contact, with the work (B05C 5/04 takes precedence) **[3]**
5/04 • the liquid or other fluent material being supplied to the apparatus in a solid state and melted before application **[3]**

7/00 Apparatus specially designed for applying liquid or other fluent material to the inside of hollow work (B05C 19/00 takes precedence)

7/02 • the liquid or other fluent material being projected
7/04 • the liquid or other fluent material flowing or being moved through the work; the work being filled with liquid or other fluent material and emptied
7/06 • by devices moving in contact with the work
7/08 • • for applying liquids or other fluent materials to the inside of tubes

9/00 **Apparatus or plant for applying liquid or other fluent material to surfaces by means not covered by groups B05C 1/00-B05C 7/00, or in which the means of applying the liquid or other fluent material is not important** (B05C 19/00 takes precedence)

9/02 • for applying liquid or other fluent material to surfaces by single means not covered by groups B05C 1/00-B05C 7/00, whether or not also using other means

9/04 • for applying liquid or other fluent material to opposite sides of the work

9/06 • for applying two different liquids or other fluent materials, or the same liquid or other fluent material twice, to the same side of the work

9/08 • for applying liquid or other fluent material and performing an auxiliary operation **[2]**

9/10 • • the auxiliary operation being performed before the application (B05C 9/14 takes precedence)

9/12 • • the auxiliary operation being performed after the application (B05C 9/14 takes precedence)

9/14 • • the auxiliary operation involving heating

11/00 **Component parts, details or accessories not specifically provided for in groups B05C 1/00-B05C 9/00** (B05C 19/00 takes precedence; means for manipulating or holding work B05C 13/00; enclosures for apparatus, booths B05C 15/00) **[2]**

11/02 • Apparatus for spreading or distributing liquids or other fluent materials already applied to a surface (B05C 7/00 takes precedence; hand tools for such purposes B05C 17/10); Control of the thickness of a coating **[2]**

11/04 • • with blades

11/06 • • with a blast of gas or vapour **[2]**

11/08 • • Spreading liquid or other fluent material by manipulating the work, e.g. tilting

11/10 • Storage, supply or control of liquid or other fluent material; Recovery of excess liquid or other fluent material

11/105 • • by capillary action, e.g. using wicks

11/11 • Vats or other containers for liquids or other fluent materials

11/115 • • Sealing means for work inlet or outlet

13/00 **Means for manipulating or holding work, e.g. for separate articles [2]**

13/02 • for particular articles **[2]**

15/00 **Enclosures for apparatus; Booths** (spray booths B05B 15/12) **[4]**

17/00 **Hand tools or apparatus using hand-held tools, for applying liquids or other fluent materials to, for spreading applied liquids or other fluent materials on, or for partially removing applied liquids or other fluent materials from, surfaces** (brushes A46B) **[2]**

17/005 • for discharging material through an outlet orifice by pressure (B05C 17/02 takes precedence) **[5]**

17/01 • • with mechanically or electrically actuated piston or the like **[5]**

17/015 • • with pneumatically actuated piston or the like **[5]**

17/02 • Rollers **[2]**

17/025 • • with self-contained reservoir **[5]**

17/03 • • with feed system for supplying material from an external source **[5]**

17/035 • • • direct to the outer surface of the roller **[5]**

17/04 • • Stencil rollers **[2]**

17/06 • Stencils (B05C 17/04 takes precedence) **[2]**

17/08 • • Stencil holders **[2]**

17/10 • Hand tools for removing partially or for spreading or redistributing applied liquids or other fluent materials, e.g. colour touchers **[2]**

17/12 • Other hand tools for producing patterns **[2]**

19/00 **Apparatus specially adapted for applying particulate materials to surfaces [2]**

19/02 • using fluidised-bed technique **[2]**

19/04 • the particulate material being projected, poured or allowed to flow onto the surface of the work (B05C 19/02 takes precedence) **[5]**

19/06 • Storage, supply or control of the application of particulate material; Recovery of excess particulate material **[5]**

21/00 **Accessories or implements for use in connection with applying liquids or other fluent materials to surfaces, not provided for in groups B05C 1/00-B05C 19/00 [2]**