SECTION B — PERFORMING OPERATIONS; TRANSPORTING

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

B05D PROCESSES FOR APPLYING LIQUIDS OR OTHER FLUENT MATERIALS TO SURFACES, IN GENERAL (conveying articles or workpieces through baths of liquid B65G, e.g. B65G 49/02) **[2]**

Note(s)

This subclass covers :

- processes for applying liquids or other fluent materials to a surface or part of a surface, in general, by any mechanical or physical method and particularly processes producing a uniform distribution of liquids or other fluent materials on a surface;
- pretreatment of surfaces to which liquids or other fluent materials are to be applied;
- after-treatment of applied coatings.

Subclass index

PROCESSES CHARACTERISED BY
means used.....1/00
special result obtained.....5/00
surfaces to be treated.....7/00
PRETREATMENT OF SURFACES; AFTER-TREATMENT OF COATINGS.....3/00

1/00 Processes for applying liquids or other fluent materials (B05D 5/00, B05D 7/00 take precedence) **[2]**

1/02 • performed by spraying **[2]**
1/04 • • involving the use of an electrostatic field **[2]**
1/06 • • • Applying particulate materials **[2]**
1/08 • • Flame spraying **[2]**
1/10 • • • Applying particulate materials **[2]**
1/12 • • Applying particulate materials (B05D 1/06, B05D 1/10 take precedence) **[2]**
1/14 • • • Flocking **[2]**
1/16 • Flocking otherwise than by spraying **[2]**
1/18 • performed by dipping **[2]**
1/20 • • substances to be applied floating on a fluid **[2]**
1/22 • • using fluidised-bed technique **[2]**
1/24 • • • Applying particulate materials **[2]**
1/26 • performed by applying the liquid or other fluent material from an outlet device in contact with, or almost in contact with, the surface **[2]**
1/28 • performed by transfer from the surfaces of elements carrying the liquid or other fluent material, e.g. brushes, pads, rollers **[2]**
1/30 • performed by gravity only, i.e. flow coating **[2]**
1/32 • using means for protecting parts of a surface not to be coated, e.g. using stencils, resists **[2]**
1/34 • Applying different liquids or other fluent materials simultaneously **[2]**
1/36 • Successively applying liquids or other fluent materials, e.g. without intermediate treatment **[2]**
1/38 • • with intermediate treatment **[2]**
1/40 • Distributing applied liquids or other fluent materials by members moving relatively to surface **[2]**
1/42 • • by non-rotary members **[2]**

3/00 Pretreatment of surfaces to which liquids or other fluent materials are to be applied; After-treatment of applied coatings, e.g. intermediate treating of an applied coating preparatory to subsequent applications of liquids or other fluent materials [2]

3/02 • by baking **[2]**
3/04 • by exposure to gases **[2]**
3/06 • by exposure to radiation (B05D 3/02 takes precedence) **[2]**
3/08 • by flames **[2]**
3/10 • by other chemical means **[2]**
3/12 • by mechanical means **[2]**
3/14 • by electrical means **[2]**

5/00 Processes for applying liquids or other fluent materials to surfaces to obtain special surface effects, finishes or structures [2]

5/02 • to obtain a matt or rough surface **[2]**
5/04 • to obtain a surface receptive to ink or other liquid (B05D 5/02 takes precedence) **[2]**
5/06 • to obtain multicolour or other optical effects (B05D 5/02 takes precedence) **[2]**
5/08 • to obtain an anti-friction or anti-adhesive surface **[2]**
5/10 • to obtain an adhesive surface **[2]**
5/12 • to obtain a coating with specific electrical properties **[2]**

7/00 Processes, other than flocking, specially adapted for applying liquids or other fluent materials to particular surfaces or for applying particular liquids or other fluent materials [2]

7/02 • to macromolecular substances, e.g. rubber **[2]**
7/04 • • to surfaces of films or sheets **[2]**
7/06 • to wood **[2]**

7/08 • • using synthetic lacquers or varnishes **[2]**
7/10 • • • based on cellulose derivatives **[2]**
7/12 • to leather **[2]**
7/14 • to metal, e.g. car bodies **[2]**
7/16 • • using synthetic lacquers or varnishes **[2]**
7/18 • • • based on cellulose derivatives **[2]**
7/20 • to wires **[2]**
7/22 • to internal surfaces, e.g. of tubes **[2]**
7/24 • for applying particular liquids or other fluent materials **[2]**
7/26 • • synthetic lacquers or varnishes (B05D 7/08, B05D 7/16 take precedence) **[2]**