

## 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]

## **B05D**

- 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]