

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) [2]

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, 2006.01]	1/38	• • with intermediate treatment [2, 2006.01]
1/02	• performed by spraying [2, 2006.01]	1/40	• Distributing applied liquids or other fluent materials by members moving relatively to surface [2, 2006.01]
1/04	• • involving the use of an electrostatic field [2, 2006.01]	1/42	• • by non-rotary members [2, 2006.01]
1/06	• • • Applying particulate materials [2, 2006.01]	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, 2006.01]
1/08	• • Flame spraying [2, 2006.01]	3/02	• by baking [2, 2006.01]
1/10	• • • Applying particulate materials [2, 2006.01]	3/04	• by exposure to gases [2, 2006.01]
1/12	• • Applying particulate materials (B05D 1/06, B05D 1/10 take precedence) [2, 2006.01]	3/06	• by exposure to radiation (B05D 3/02 takes precedence) [2, 2006.01]
1/14	• • • Flocking [2, 2006.01]	3/08	• by flames [2, 2006.01]
1/16	• Flocking otherwise than by spraying [2, 2006.01]	3/10	• by other chemical means [2, 2006.01]
1/18	• performed by dipping [2, 2006.01]	3/12	• by mechanical means [2, 2006.01]
1/20	• • substances to be applied floating on a fluid [2, 2006.01]	3/14	• by electrical means [2, 2006.01]
1/22	• • using fluidised-bed technique [2, 2006.01]	5/00	Processes for applying liquids or other fluent materials to surfaces to obtain special surface effects, finishes or structures [2, 2006.01]
1/24	• • • Applying particulate materials [2, 2006.01]	5/02	• to obtain a matt or rough surface [2, 2006.01]
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, 2006.01]	5/04	• to obtain a surface receptive to ink or other liquid (B05D 5/02 takes precedence) [2, 2006.01]
1/28	• performed by transfer from the surfaces of elements carrying the liquid or other fluent material, e.g. brushes, pads, rollers [2, 2006.01]	5/06	• to obtain multicolour or other optical effects (B05D 5/02 takes precedence) [2, 2006.01]
1/30	• performed by gravity only, i.e. flow coating [2, 2006.01]	5/08	• to obtain an anti-friction or anti-adhesive surface [2, 2006.01]
1/32	• using means for protecting parts of a surface not to be coated, e.g. using stencils, resists [2, 2006.01]	5/10	• to obtain an adhesive surface [2, 2006.01]
1/34	• Applying different liquids or other fluent materials simultaneously [2, 2006.01]	5/12	• to obtain a coating with specific electrical properties [2, 2006.01]
1/36	• Successively applying liquids or other fluent materials, e.g. without intermediate treatment [2, 2006.01]		

B05D

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, 2006.01]

7/02 • to macromolecular substances, e.g. rubber [2, 2006.01]

7/04 • • to surfaces of films or sheets [2, 2006.01]

7/06 • to wood [2, 2006.01]

7/08 • • using synthetic lacquers or varnishes [2, 2006.01]

7/10 • • • based on cellulose derivatives [2, 2006.01]

7/12 • to leather [2, 2006.01]

7/14 • to metal, e.g. car bodies [2, 2006.01]

7/16 • • using synthetic lacquers or varnishes [2, 2006.01]

7/18 • • • based on cellulose derivatives [2, 2006.01]

7/20 • to wires [2, 2006.01]

7/22 • to internal surfaces, e.g. of tubes [2, 2006.01]

7/24 • for applying particular liquids or other fluent materials [2, 2006.01]

7/26 • • synthetic lacquers or varnishes (B05D 7/08, B05D 7/16 take precedence) [2, 2006.01]