

B05 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]

B05D PROCESSES FOR APPLYING LIQUIDS OR OTHER FLUENT MATERIALS TO SURFACES, IN GENERAL (apparatus for applying liquids or other fluent materials to surfaces B05B, B05C) [2]

- (1) 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. [2]
- (2) Attention is drawn to the Note following the title of class B05. [2]

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 (fluidised-bed technique in general B01J 8/24) [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 (intermediate treatment per se B05D 3/00) [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 (successively applying liquids or other fluent materials B05D 1/36; drying ovens F26B) [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]

B05D

- 5/08 . to obtain an anti-friction or anti-adhesive surface (rendering particulate materials free flowing in general, e.g. making them hydrophobic, B01J 2/30) [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 (treatment or coating of shaped articles made of macromolecular substances C08J 7/00) [2]
- 7/04 . . to surfaces of films or sheets (producing layered products by applying coatings of pasty or pulverulent plastics B29C 41/00, B32B 37/00) [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 (chemical treatment of leather C14C; dyeing leather D06P) [2]
- 7/14 . to metal, e.g. car bodies (involving a chemical reaction between the metal and the coating C23) [2]
- 7/16 . . using synthetic lacquers or varnishes [2]
- 7/18 . . . based on cellulose derivatives [2]
- 7/20 . to wires (for insulating electric cables H01B 13/16) [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]