

This heading comprises:

Apparatus for coating

Explanation of heading subject-matter and relationships with other headings

Classified here is apparatus for applying liquid or other fluent material, *eg* powder, to a surface. The heading is primarily concerned with the application of coating material to a substrate but also includes within its scope apparatus of similar construction wherein impregnation of the substrate is effected. The term “coating” as used herein is thus to be construed accordingly. In consequence of this certain apparatus for applying liquids to textile materials, *eg* for dyeing, having the general form of coating apparatus is included in this heading instead of it being subject matter for D1L, Apparatus for treating textiles &c, which is the general heading for apparatus for liquid treatment of textiles

The main exclusion from this heading concerns the application of liquid or other fluent material to surfaces so as to form patterns or discontinuous coatings. The provision of a visible or otherwise detectable pattern which is graphic in character (*ie* it serves to convey information or to decorate) is, in general, subject-matter for heading B6C, Printing &c. Thus, subjects concerned with, or dependent upon the formation, application or handling of such patterns are to be found in that heading
Apparatus and procedures for supplying liquid substances or powder to develop photographic electro-photographic or magnetographic images are classified in heading G2X, Miscellaneous photographic processes and apparatus

Further, the discontinuous application of marking material to yarns or threads at intervals along their length, *eg* for space-dyeing, is only dealt with in heading B6C if the yarns or threads are running under tension; the application to less-ordered assemblies of yarns or threads is subject-matter for this heading or for heading D1L, Apparatus for treating textiles &c

Also excluded are

- . fertilizer applicators—A1D, Manuring, sowing &c
- . coating baker's and confectioner's goods—A2A, Bakery apparatus &c
- . coating seeds and grain—A2Q, Treating grain, seeds &c
- . polishing and waxing—A4F, Cleaning &c
- . brushes and pads for applying paint and cosmetics—A4K, Brushes &c
- . applying pastes or liquids to the skin for medical purposes—A5R, Medical, dental and veterinary equipment
- . fluidizers *per se*—B1F, Chemical contact apparatus &c
- . coating processes and coated products—B2E, Coated products
- . spray guns and spray producers *per se*—B2F, Fluid discharge devices
- . casting metals—B3F, Casting metals
- . coating metals by rolling—B3M, Rolling metals
- . coating metals during extrusion—B3P, Drawing and extruding metals
- . coating with metals by application in the molten state or by spraying—B3R, Welding, soldering and brazing; C7F, Coating with metals, inorganic compounds &c
- . coating, *eg* wires, by extrusion—B5A, Moulding plastic substances &c
- . making plastics films by coating—B5B, Making artificial fibres, films &c
- . coating, damping and gumming mechanisms of ordinary construction forming parts of machines for particular purposes—*eg* B5D, Making bags, boxes &c; B6A, Stationery, bookbinding &c; B8F, Labels and their securing
- . selective printing *including* applying ring markings to wires or conductors—B6F, Selective printing &c; keyboards
- . pens and rotary-ball applicators—B6P, Writing-appliances &c
- . conveyors *per se*—B8A, Conveyors &c
- . collapsible containers and nozzles therefor—B8D, Portable containers &c
- . dispensers for moistened or coated tape—B8M, Reels &c
- . metering fluent materials—B8N, Metering fluent material &c
- . feeding sheets and webs to and from applicators—B8R, Handling thin material
- . shoots and hoppers—B8S, Shoots and hoppers &c
- . coating with glass—C1M, Glass and vitreous enamels
- . coating by electrolysis and electrophoresis—C7B, Electrolysis
- . vapour deposition—C7F, Coating with metals, inorganic compounds &c
- . surface treatment of roads and ways—E1G, Rail and roadways
- . trowels for cement &c—E1S, Building-appliances &c
- . grease guns and like devices and arrangements for feeding paint to paint rollers—F1R, Raising and discharging liquids &c
- . internal coating of pipes—F2P, Pipes and tubes
- . roller constructions *per se, including* paint rollers; F2U, Rollers, shafts &c
- . closed and open loop electric control systems—G3N, Automatic electric control systems; G3R, Electric retroactive control

The exclusion references listed in this heading are not exhaustive. Reference should be made to the appropriate general heading/s for processes, materials, elements or devices which may be more widely applicable than can appropriately be classified in this heading

Relationship with the Universal Indexing Schedules (heading UIS)

UIS is used, subject to its indexing rules, to record the nature of any broader process or apparatus in or with which apparatus classified here may be used. It is used also to index the article(s) treated and the coating material, except for mere references to “paint” or “painting” which are regarded as commonplace applications

Operative date for Key entries

The operative date of the terms in this heading is that of Edition J

Classifying Schedule

Note: Where the coating apparatus comprises more than one type of coating applicator the types are classified separately *below*

LCB	coating apparatus wherein the type of coating applicator used is not important
LCDA	apparatus wherein coating material is applied by spraying— . overall apparatus arrangements
LCDB	. automated control systems
LCDC	. mounting spray producers
LCDD	. handling substrates
LCDE	. arrangements for electrostatic spraying
LCDF	. supplying coating material to spray producers
LCDG	. spray booths
LCDX	. other aspects apparatus wherein coating material is applied from an outlet in contact with or almost in contact with the substrate, <i>eg</i> extrusion coating—
LCEA	. overall apparatus arrangements
LCEB	. automated control systems
LCEC	. nozzle or applicator constructions . supplying coating material to applicators—
LCED	. . hot melt coating materials
LCEE	. . other coating materials apparatus wherein a substrate is brought into contact with a bulk quantity of coating material— . by immersion—
LCFA	. . for continuous substrates, <i>eg</i> webs, fibres, wires or cables
LCFB	. . for separate substrates . by contact with one side only of substrate—
LCFC	. . trailing blade coaters
LCFD	. . other apparatus wherein coating material is applied by a transfer member— . by roller—
LCGA	. . for continuous substrates, <i>eg</i> webs
LCGB	. . for separate substrates
LCGC	. . hand-held applicators . . . roller constructions <i>per se</i> — <i>See</i> F2U, Rollers, shafts &c
LCGX	. by <i>other than</i> roller, <i>eg</i> belt or pad
LCH	apparatus wherein coating material is poured onto the substrate, <i>eg</i> curtain coaters
LCJ	apparatus wherein coating material is thrown onto the substrate <i>other than</i> rotary atomisers
LCK	fluidised bed coaters
LCM	apparatus for spin-coating substrates
LCN	apparatus for vacuum and pressure coating apparatus for coating particles, tablets or small articles <i>other than</i> as in LCDA-LCN <i>above</i> —
LCPA	. using rotating drum or pan
LCPB	. using a fluidised bed
LCPX	. other
LCR	types of coating apparatus <i>not otherwise provided for</i> apparatus for doctoring, spreading or distributing coating material employing—
LCSA	. blades
LCSB	. rollers or rotating rods
LCSC	. gas jets
LCSD	. dies or other constrictions
LCSX	. other means apparatus for treatment of substrate before coating or after-treatment of coated substrate—
LCTA	. involving heating and cooling
LCTX	. involving other means ancillary subjects—
LCVA	. paint shields or guards
LCVX	. other ancillary subjects