CPC COOPERATIVE PATENT CLASSIFICATION

B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

SEPARATING; MIXING

B08 CLEANING

B08B CLEANING IN GENERAL; PREVENTION OF FOULING IN GENERAL (brushes A46; devices for domestic or like cleaning A47L; cleaning grips of bats on rackets A63B 57/60; separation of particles from liquids or gases B01D; separation of solids B03, B07; spraying or applying liquids or other fluent materials to surfaces in general B05; cleaning devices for conveyors B65G 45/10; concurrent cleaning, filling and closing of bottles B67C 7/00; inhibiting corrosion or incrustation in general C23; cleaning streets, permanent ways, beaches or land E01H; parts, details or accessories of swimming or splash baths or pools, specially adapted for cleaning E04H 4/16; preventing or removing electrostatic charges H05F)

NOTE

This subclass covers only inventions relating to cleaning which are usually classified according to one (or more) of the aspects mentioned below if they are not fully classifiable in a subclass providing for any of the following aspects:

• the articles cleaned, e.g. bed-pans, urinal or other sanitary devices for bed-ridden persons A61G 9/02, filters, semi-permeable members B01D, castings and moulds B22D 29/00, vehicles B60S, coke ovens C10B 43/00, building forms E04G, boilers F22, combustion apparatus F23, furnaces F27 the general nature of the cleaning, e.g. preparing for sugar manufacture A23N, domestic cleaning A47L, treatment of textiles D06, laundry D06F, air-conditioning F24F;
• the particular operation performed, e.g. filtering B01D, separating of solids B03, B07, sand-blasting B24C;
• the particular apparatus or device, e.g. brushes A46B, mops A47L, centrifuges B04, hand tools B25 devices for cleaning paint-applying hand tools after use B44D 3/006;
• the substance cleaned, e.g. metals B21C, C23, water C02, glass C03B, leather C14B, textile fibres D01;
• the substance removed (or prevented from depositing or forming) e.g. removing paint B44D 3/016 implements or apparatus for removing dry paint from surfaces B44D 3/16;
• chemical paint-removers C09D 9/00;
• preventing rust C23F;
• the substance used, e.g. macromolecular compounds or compositions C08, anti-icing materials C09K, detergents C11D;
• the operation in connection with which cleaning is done, e.g. metal rolling B21B, metal boring B23B, soldering B23K, textile fabrication D01G, D01H, D03, D04B;
• the surroundings of a surface to be cleaned or kept clean, e.g. water in a boiler C02F, air in a room F24F.

WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

1/00 Cleaning by methods involving the use of tools, brushes, or analogous members (B08B 3/12, B08B 6/00, B08B 7/02, B08B 9/00 take precedence)

1/001 . [characterised by the type of cleaning tool]
1/002 . . [Brushes]
1/003 . . [Swabs]
1/005 . . [Scrapers]
1/006 . . [Wipes]
1/007 . . [having means to clean the cleaning members before, during or after use]
1/008 . . [using translating operative members]
1/02 . Cleaning travelling work, e.g. a web, articles on a conveyor

1/04 . using rotary operative members (B08B 1/02 takes precedence)

3/00 Cleaning by methods involving the use or presence of liquid or steam (B08B 9/00 takes precedence)

3/003 . [Cleaning involving contact with foam]
3/006 . [Cabinets or cupboards specially adapted for cleaning articles by hand]
3/02 . Cleaning by the force of jets or sprays
3/022 . . [Cleaning travelling work (B08B 3/042 takes precedence)]
3/024 . . [Cleaning by means of spray elements moving over the surface to be cleaned]
3/026 . . [Cleaning by making use of hand-held spray guns; Fluid preparations therefor]
Cleaning hollow articles by methods or apparatus specially adapted thereto (B08B 3/12, B08B 6/00 take precedence)

9/02 . Cleaning pipes or tubes or systems of pipes or tubes (apparatus for cleaning metal pipes by chemical methods C23G 3/04 ; removing obstructions in waste pipes or sinks E03C 1/30; cleaning sewer pipes E03F 9/00; cleaning boreholes or wells E21B 37/00; cleaning furnace tubes, flues, chimneys F23J 3/02; cleaning heat-transfer conduits, e.g. water tubes of boilers F28G)

9/01 . Cleaning pipe ends or pipe fittings, e.g. before soldering (grinding tube ends B24B 9/007)

9/03 . Cleaning the external surface (B08B 9/021 takes precedence)

9/04 . Cleaning the internal surfaces; Removal of blockages

9/02 . by the mechanical action of a moving fluid, e.g. by flushing (B08B 9/04 takes precedence ; by fluid jets mounted on cleaning devices B08B 9/0431)

9/032 . [using pressurised, pulsating or purging fluid (E04F 17/126 takes precedence)]

9/032 . [in combination with a plug, e.g. inflatable mole, to isolate a part of the tube (plugging pigs for stopping flow in pipes F16L 55/1283)]

9/032 . [Arrangements specially designed for simultaneous and parallel cleaning of a plurality of conduits]

9/032 . [Control mechanisms therefor]

9/0326 . [Using pulsations]

9/0327 . [the fluid being in the form of a mist]

WARNING

This group is no longer used for classification. Documents are in the process of being reclassified to subclass B05B.
e.g. casks, barrels, drums (B08B 9/20)

Cleaning containers having tubular shape, e.g. by agitating or tumbling containers filled with the force of jets or sprays (B08B 9/0813)

Cleaning containers being brought to the cleaning device (B08B 9/0817)

Removing scrap from containers, e.g. removing labels (B08B 9/0808)

Removing remnants of closures from bottle necks (B08B 9/0804)

[Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)]

[for large numbers of milk churns (B08B 9/0804)]

[Devices for inverting or emptying milk churns, applying or unseating covers (B08B 9/0804)]

Drainage racks (see also A47J 47/20) (B08B 9/0804)

[Cleaning of water-treatment installations (B08B 9/0804)]

[Cleaning crates, boxes or the like (B08B 9/083 take precedence) (B08B 9/0804)]

[by burning-out (B08B 9/40 take precedence)]

[by methods involving the use of tools, e.g. brushes, scrapers (B08B 9/0803)]

[by force of jets or sprays (B08B 9/0803)]

[Devices for inverting or emptying milk churns, applying or unseating covers (B08B 9/0803)]

[Removing sludge or the like from tank bottoms (B08B 9/0803)]

[by methods involving the use of tools, e.g. brushes, scrapers (B08B 9/0802)]

[Removing remnants of closures from bottle necks (B08B 9/0802)]

[Devices for holding articles during cleaning (B08B 9/0802)]

Inspecting cleaned containers for cleanliness (B08B 9/0802)

Cleaning flexible or delicate articles by methods or apparatus specially adapted thereto (B08B 9/0802)

Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 take precedence)
Details of machines or methods for cleaning by the use of gas or air flow

Details of machines or methods for cleaning hollow articles

Methods preventing fouling

Details of cleaning machines or methods involving the use or presence of liquid or steam

Other cleaning aspects applicable to all B08B range

Type of materials or objects being removed

Type of materials or objects being cleaned