

B 08 B CLEANING IN GENERAL; PREVENTION OF FOULING IN GENERAL (brushes [A 46](#); devices for domestic or like cleaning [A 47 L](#); separation of particles from liquids or gases [B 01 D](#); separation of solids [B 03](#), [B 07](#); spraying or applying liquids or other fluent materials to surfaces in general [B 05](#); cleaning devices for conveyers [B 65 G 45/10](#); concurrent cleaning, filling and closing of bottles [B 67 C 7/00](#); inhibiting corrosion or incrustation in general [C 23](#); cleaning streets, permanent ways, beaches or land [E 01 H](#); parts, details or accessories of swimming or splash baths or pools, specially adapted for cleaning [E 04 H 4/16](#); preventing or removing electrostatic charges [H 05 F](#))

Notes

- (1) This subclass covers only cleaning, which is usually classified according to one (or more) of the aspects mentioned below, if it is 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 [A 61 G 9/02](#), filters, semi-permeable membranes [B 01 D](#), castings and moulds [B 22 D 29/00](#), vehicles [B 60 S](#), coke ovens [C 10 B 43/00](#), building forms [E 04 G](#), boilers [F 22](#), combustion apparatus [F 23](#), furnaces [F 27](#);
 - the general nature of the cleaning, e.g. preparing for sugar manufacture [A 23 N](#), domestic cleaning [A 47 L](#), treatment of textiles [D 06](#), laundry [D 06 F](#), air-conditioning [F 24 F](#);
 - the particular operation performed, e.g. filtering [B 01 D](#), separating of solids [B 03](#), [B 07](#), sand-blasting [B 24 C](#);
 - the particular apparatus or device, e.g. brushes [A 46 B](#), mops [A 47 L](#), centrifuges [B 04](#), hand tools [B 25](#);
 - the substance cleaned, e.g. metals [B 21 C](#), [C 23](#), water [C 02](#), glass [C 03 B](#), leather [C 14 B](#), textile fibres [D 01](#);
 - the substance removed (or prevented from depositing or forming), e.g. implements or apparatus for removing dry paint from surfaces [B 44 D 3/16](#), chemical paint-removers [C 09 D 9/00](#), preventing rust [C 23 F](#);
 - the substance used, e.g. macromolecular compounds or compositions [C 08](#), anti-icing materials [C 09 K](#), detergents [C 11 D](#);
 - the operation in connection with which cleaning is done, e.g. metal rolling [B 21 B](#), metal boring [B 23 B](#), soldering [K](#), textile fabrication [D 01 G](#), [H](#), [D 03 J](#), [D 04 B](#);
 - the surroundings of a surface to be cleaned or kept clean, e.g. water in a boiler [C 02 F](#), air in a room [F 24 F](#).
- (2) Processes using enzymes or micro-organisms in order to:
- (i) liberate, separate or purify a pre-existing compound or composition, or to
 - (ii) treat textiles or clean solid surfaces of materials
- are further classified in subclass [C 12 S](#). [5]

Subclass Index

CLEANING CHARACTERISED BY THE MEANS USED	1/00, 3/00, 5/00, 6/00, 7/00	ACCESSORIES OR DETAILS OF MACHINES.....	13/00
CLEANING HOLLOW, FLEXIBLE OR DELICATE ARTICLES	9/00, 11/00	PREVENTING FOULING OR ESCAPE OF DIRT OR FUMES	15/00, 17/00

1/00	Cleaning by methods involving the use of tools, brushes, or analogous members (3/12 , 6/00 , 9/00 take precedence) [2]	3/12	. . . by sonic or ultrasonic vibrations (washing or rinsing machines for crockery or tableware using sonic or ultrasonic waves A 47 L 15/13 ; of natural teeth, of prostheses using ultrasonic techniques similar to those used for natural teeth A 61 C 17/20 ; application of ultrasonic vibrations to chemical, physical, or physico-chemical processes in general B 01 J 19/10) [2,5]
1/02	. Cleaning travelling work, e.g. a web, articles on a conveyer		
1/04	. using rotary operative members (1/02 takes precedence)		
3/00	Cleaning by methods involving the use or presence of liquid or steam (9/00 takes precedence)	3/14	. . . Removing waste, e.g. labels, from cleaning liquid (treatment of water in general C 02 F) [5]
3/02	. Cleaning by the force of jets or sprays		
3/04	. Cleaning involving contact with liquid	5/00	Cleaning by methods involving the use of air flow or gas flow (6/00 , 9/00 take precedence) [2,7]
3/06	. . using perforated drums in which the article or material is placed	5/02	. Cleaning by the force of jets, e.g. blowing-out cavities
3/08	. . the liquid having chemical or dissolving effect (substances used, <u>see</u> the relevant classes)	5/04	. Cleaning by suction, with or without auxiliary action (suction cleaners A 47 L)
3/10	. . with additional treatment of the liquid or of the object being cleaned, e.g. by heat, by electricity, by vibration	6/00	Cleaning by electrostatic means (domestic cleaning implements functioning electrostatically A 47 L 13/40 ; cleaning of grooved record carriers G 11 B 3/58) [2]
		7/00	Cleaning by methods not provided for in a single other subclass or a single group in this subclass
		7/02	. by distortion, beating, or vibration of the surface to be cleaned
		7/04	. by a combination of operations

9/00 Cleaning hollow articles by methods or apparatus specially adapted thereto (3/12, 6/00 take precedence) [2]

Note

In this group, it is desirable to add the indexing codes of group **101:00**. The indexing codes should be unlinked. [5]

- 9/02 Cleaning pipes or tubes or systems of pipes or tubes (apparatus for cleaning metal pipes by chemical methods **C 23 G 3/04**) [5]
- 9/023 *Cleaning the external surfaces* [7]
- 9/027 *Cleaning the internal surfaces; Removal of blockages* [7]
- 9/03 (transferred to **9/027**, **9/035**, **9/053**)
- 9/032 *by the mechanical action of a moving fluid, e.g. by flushing (9/04 takes precedence)* [7]
- 9/035 *by suction* [7]
- 9/04 *using cleaning devices introduced into and moved along the pipes* [1,7]
- 9/043 *moved by externally powered mechanical linkage, e.g. pushed or drawn through the pipes* [7]
- 9/045 *the cleaning devices being rotated while moved (9/047 takes precedence)* [7]
- 9/047 *the cleaning devices having motors for powering cleaning tools* [7]
- 9/049 *having self-contained propelling means for moving the cleaning devices along the pipes* [7]
- 9/051 *the cleaning devices having motors for powering cleaning tools* [7]
- 9/053 *moved along the pipes by a fluid, e.g. by fluid pressure or by suction* [7]
- 9/055 *the cleaning devices conforming to, or being conformable to, substantially the cross-section of the pipes, e.g. pigs or moles* [7]
- 9/057 *the cleaning devices being entrained discrete elements, e.g. balls, grinding elements, brushes* [7]
- 9/06 (transferred to **9/027**)
- 9/08 Cleaning of containers, e.g. tanks
- 9/087 by methods involving the use of tools, e.g. brushes, scrapers (**9/20** takes precedence) [5]
- 9/093 by the force of jets or sprays (**9/20** takes precedence) [5]
- 9/20 by using apparatus into or on to which containers, e.g. bottles, jars, cans, are brought [5]
- 9/22 the apparatus cleaning by soaking alone [5]
- 9/24 and having conveyers [5]
- 9/26 Rotating conveyers [5]
- 9/28 the apparatus cleaning by splash, spray or jet application, with or without soaking [5]
- 9/30 and having conveyers [5]
- 9/32 Rotating conveyers [5]
- 9/34 Arrangement of conduits or nozzles [5]

- 9/36 the apparatus cleaning by using brushes [5]
- 9/38 the apparatus cleaning by using scrapers, chains, grains of shot, sand or other abrasive means (abrasive blasting in general **B 24 C**) [5]
- 9/40 the apparatus cleaning by burning out [5]
- 9/42 the apparatus being characterised by means for conveying or carrying containers therethrough [5]
- 9/44 the means being for loading or unloading the apparatus [5]
- 9/46 Inspecting cleaned containers for cleanliness [5]
- 11/00 Cleaning flexible or delicate articles by methods or apparatus specially adapted thereto (3/12, 6/00 take precedence) [2]**
- 11/02 Devices for holding articles during cleaning
- 11/04 specially adapted for plate glass, e.g. prior to manufacture of windshields (cleaning the gap between permanently secured panes **E 06 B 3/677**)
- 13/00 Accessories or details of general applicability for machines or apparatus for cleaning**
- 15/00 Preventing escape of dirt or fumes from the area where they are produced; Collecting or removing dirt or fumes from that area** (parts, details or accessories of cooking-vessels for withdrawing or condensing cooking vapours from such vessels **A 47 J 36/38**; refuse disposal **B 65 F**; devices for conducting smoke or fumes, e.g. flues, **F 23 J 11/00**; removing cooking fumes from domestic stoves or ranges **F 24 C 15/20**; air-conditioning, ventilation **F 24 F**) [5]
- 15/02 using chambers or hoods covering the area
- 15/04 from a small area, e.g. a tool
- 17/00 Methods preventing fouling**
- 17/02 Preventing deposition of fouling or of dust
- 17/04 by using removable coverings
- 17/06 by giving articles subject to fouling a special shape for arrangement

Indexing scheme associated with group 9/00, relating to types of container cleaned. The indexing codes should be unlinked. [5]

Note

Attention is drawn to Chapter IV of the Guide which sets forth the rules concerning the application and presentation of the different types of indexing code. [6]

101:00 Types of container cleaned [5]

- 101:02 Tanks [5]
- 101:04 Milk churns [5]
- 101:06 Casks; Barrels; Drums [5]
- 101:08 Bottles; Jars, Cans [5]
- 101:10 Crates [5]
- 101:12 Ampoules [5]