

**CPC****COOPERATIVE PATENT CLASSIFICATION****B08B****CLEANING IN GENERAL; PREVENTION OF FOULING IN**

**GENERAL**(brushes [A46](#); devices for domestic or like cleaning [A47L](#) ; { cleaning golf-clubs or golf accessories [A63B 57/0087](#) ; cleaning grips of bats on rackets [A63B 59/0062](#) } ; 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 conveyers [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 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 membranes [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 3/00](#) , e.g. } 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](#), H, [D03J](#), [D04B](#); the surroundings of a surface to be cleaned or kept clean, e.g. water in a boiler [C02F](#), air in a room [F24F](#).

**B08B 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 )

**B08B 1/001**

. {characterised by the type of cleaning tool}

**B08B 1/002**

.. {Brushes}

**B08B 1/003**

.. {Swabs}

**B08B 1/005**

.. {Scrapers}

**B08B 1/006**

.. {Wipes}

**B08B 1/007**

. {having means to clean the cleaning members before, during or after use}

**B08B 1/008**

. {using translating operative members}

**B08B 1/02**

. Cleaning travelling work, e.g. a web, articles on a conveyer

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

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

B08B 3/003 . {Cleaning involving contact with foam}

B08B 3/006 . {Cabinets or cupboards specially adapted for cleaning articles by hand}

B08B 3/02 . Cleaning by the force of jets or sprays

B08B 3/022 . . {Cleaning travelling work( [B08B 3/042](#) takes precedence )}

B08B 3/024 . . {Cleaning by means of spray elements moving over the surface to be cleaned}

B08B 3/026 . . {Cleaning by making use of hand-held spray guns; Fluid preparations therefor}

B08B 3/028 . . . {Spray guns}

### **WARNING**

This group is no longer used for classification. Documents are in the process of being reclassified to subclass [B05B](#)

B08B 3/04 . Cleaning involving contact with liquid

B08B 3/041 . . {Cleaning travelling work}

B08B 3/042 . . . {the loose articles or bulk material travelling gradually through a drum or other container, e.g. by helix or gravity}

B08B 3/044 . . {using agitated containers in which the liquid and articles or material are placed( by means of ultrasonic vibrations [B08B 3/12](#) ; cleaning casks or barrels by agitating [B08B 9/0817](#) ; mixers with shaking, oscillating or vibrating mechanisms [B01F 11/00](#) )}

B08B 3/045 . . {using perforated containers, e.g. baskets, or racks immersed and agitated in a liquid bath( using perforated drums [B08B 3/06](#) )}

B08B 3/047 . . . {Containers specially adapted therefor}

B08B 3/048 . . {Overflow-type cleaning, e.g. tanks in which the liquid flows over the tank in which the articles are placed}

B08B 3/06 . . using perforated drums in which the article or material is placed{( [B08B 3/042](#) takes precedence )}

B08B 3/08 . . the liquid having chemical or dissolving effect(substances used, see the relevant classes)

B08B 3/10 . . with additional treatment of the liquid or of the object being cleaned, e.g. by heat, by electricity, by vibration

B08B 3/102 . . . {with means for agitating the liquid( by agitating the container [B08B 3/042](#) , [B08B 3/044](#) , [B08B 3/045](#) , [B08B 3/06](#) )}

B08B 3/104 . . . . {using propellers}

B08B 3/106 . . . {by boiling the liquid}

B08B 3/108 . . . {by lowering and raising the level of the cleaning liquid}

B08B 3/12 . . . by sonic or ultrasonic vibrations( washing or rinsing machines for crockery or tableware using sonic or ultrasonic waves [A47L 15/13](#) ; of natural teeth, of prostheses using ultrasonic techniques similar to those used for natural teeth [A61C 17/20](#) ; application of ultrasonic vibrations to chemical, physical, or physico-chemical processes in general [B01J 19/10](#) )

- B08B 3/123 . . . . {Cleaning travelling work, e.g. webs, articles on a conveyer( conveyers [B65G](#) ; handling webs [B65H](#) )}
- B08B 3/126 . . . . {in particular moving bottles}
- B08B 3/14 . . . Removing waste, e.g. labels, from cleaning liquid;{Regenerating cleaning liquids} ( [treatment of water in general C02F](#) )
- B08B 5/00** **Cleaning by methods involving the use of air flow or gas flow**( [B08B 6/00](#) takes precedence )
- B08B 5/02 . Cleaning by the force of jets, e.g. blowing-out cavities{( [airguns or nozzles per se B05B 1/005](#) )}
- B08B 5/023 . . {Cleaning travelling work}
- B08B 5/026 . . . {Cleaning moving webs}
- B08B 5/04 . Cleaning by suction, with or without auxiliary action{( [B08B 9/035](#) takes precedence; } ( [suction cleaners A47L](#) )}
- B08B 5/043 . . {Cleaning travelling work}
- B08B 5/046 . . . {Cleaning moving webs}
- B08B 6/00** **Cleaning by electrostatic means**( domestic cleaning implements functioning electrostatically [A47L 13/40](#) ; cleaning of grooved record carriers [G11B 3/58](#) )
- B08B 7/00** **Cleaning by methods not provided for in a single other subclass or a single group in this subclass**
- B08B 7/0007 . {by explosions}
- B08B 7/0014 . {by incorporation in a layer which is removed with the contaminants}
- B08B 7/0021 . {by liquid gases or supercritical fluids}
- B08B 7/0028 . {by adhesive surfaces}
- B08B 7/0035 . {by radiant energy, e.g. UV, laser, light beam or the like}
- B08B 7/0042 . . {by laser}
- B08B 7/005 . . {by infrared radiation}
- B08B 7/0057 . . {by ultraviolet radiation}
- B08B 7/0064 . {by temperature changes}
- B08B 7/0071 . . {by heating( [B08B 7/0035](#) takes precedence )}
- B08B 7/0078 . . . {in a fluidized bed}
- B08B 7/0085 . . . {by pyrolysis}
- B08B 7/0092 . . {by cooling}
- B08B 7/02 . by distortion, beating, or vibration of the surface to be cleaned{( [B08B 7/0007](#) takes precedence )}
- B08B 7/022 . . {Needle scalers}
- B08B 7/024 . . {Rotary scalers}
- B08B 7/026 . . {Using sound waves}
- B08B 7/028 . . . {Using ultrasounds}
- B08B 7/04 . by a combination of operations

<b>B08B 9/00</b>	<b>Cleaning hollow articles by methods or apparatus specially adapted thereto( <a href="#">B08B 3/12</a> , <a href="#">B08B 6/00</a> take precedence )</b>
<a href="#">B08B 9/02</a>	. Cleaning pipes or tubes or systems of pipes or tubes( <a href="#">apparatus for cleaning metal pipes by chemical methods <a href="#">C23G 3/04</a></a> ; { removing obstructions in waste pipes or sinks <a href="#">E03C 1/30</a> ; cleaning sewer pipes <a href="#">E03F 9/00</a> ; cleaning boreholes or wells <a href="#">E21B 37/00</a> ; cleaning furnace tubes, flues, chimneys <a href="#">F23J 3/02</a> ; cleaning heat-transfer conduits, e.g. water tubes of boilers <a href="#">F28G</a> } )
<a href="#">B08B 9/021</a>	.. {Cleaning pipe ends or pipe fittings, e.g. before soldering( <a href="#">grinding tube ends <a href="#">B24B 9/007</a></a> )}
<a href="#">B08B 9/023</a>	.. Cleaning the external surface( <a href="#">B08B 9/021</a> takes precedence )
<a href="#">B08B 9/027</a>	.. Cleaning the internal surfaces; Removal of blockages
<a href="#">B08B 9/032</a>	... by the mechanical action of a moving fluid, e.g. by flushing( <a href="#">B08B 9/04</a> takes precedence; { by fluid jets mounted on cleaning devices <a href="#">B08B 9/0433</a> } )
<a href="#">B08B 9/0321</a>	.... {using pressurised, pulsating or purging fluid( <a href="#">E04F 17/126</a> takes precedence )}
<a href="#">B08B 9/0322</a>	..... {in combination with a plug, e.g. inflatable mole, to isolate a part of the tube( <a href="#">plugging pigs for stopping flow in pipes <a href="#">F16L 55/1283</a></a> )}
<a href="#">B08B 9/0323</a>	..... {Arrangements specially designed for simultaneous and parallel cleaning of a plurality of conduits}
<a href="#">B08B 9/0325</a>	..... {Control mechanisms therefor}
<a href="#">B08B 9/0326</a>	..... {Using pulsations}
<a href="#">B08B 9/0327</a>	..... {the fluid being in the form of a mist}
<a href="#">B08B 9/0328</a>	..... {by purging the pipe with a gas or a mixture of gas and liquid}
<a href="#">B08B 9/035</a>	.... by suction
<a href="#">B08B 9/04</a>	... using cleaning devices introduced into and moved along the pipes

**WARNING**

Group [B08B 9/04](#) and subgroups are not complete. See also [B08B 9/02](#) and subgroups

<a href="#">B08B 9/043</a>	.... moved by externally powered mechanical linkage, e.g. pushed or drawn through the pipes
<a href="#">B08B 9/0433</a>	..... {provided exclusively with fluid jets as cleaning tools}
<a href="#">B08B 9/0436</a>	..... {provided with mechanical cleaning tools, e.g. scrapers, with or without additional fluid jets( <a href="#">B08B 9/045</a> , <a href="#">B08B 9/047</a> take precedence )}
<a href="#">B08B 9/045</a>	..... the cleaning devices being rotated while moved{, e.g. flexible rotating shaft or "snake"} ( <a href="#">B08B 9/047</a> takes precedence )
<a href="#">B08B 9/047</a>	..... the cleaning devices having{internal}motors [e.g. turbines] for powering cleaning tools
<a href="#">B08B 9/049</a>	.... having self-contained propelling means for moving the cleaning devices along the pipes{i.e. self-propelled}
<a href="#">B08B 9/0492</a>	..... {Heavy-type cleaning devices, e.g. crawlers with plural cleaning members( <a href="#">B08B 9/051</a> takes precedence )}
<a href="#">B08B 9/0495</a>	..... {Nozzles propelled by fluid jets}
<a href="#">B08B 9/0497</a>	..... {provided with additional mechanical cleaning tools}

B08B 9/051	.....	the cleaning devices having{internal}motors [e.g. turbines] for powering cleaning tools
B08B 9/053	....	moved along the pipes by a fluid, e.g. by fluid pressure or by suction
B08B 9/0535	.....	{the cleaning device being restricted in its movement by a cable or the like}
B08B 9/055	.....	the cleaning devices conforming to, or being conformable to, substantially the same cross-section of the pipes,{e.g. pigs or moles( pigs or moles per se <a href="#">F16L 55/26</a> ; their launching and detection <a href="#">F16L 55/46</a> ; separating pigs in pipelines <a href="#">F17D 3/00</a> )}
B08B 9/0551	.....	{Control mechanisms therefor}
B08B 9/0552	.....	{Spherically shaped pigs}
B08B 9/0553	.....	{Cylindrically shaped pigs}
B08B 9/0554	.....	{Diablo shaped pigs}
B08B 9/0555	.....	{Gelled or degradable pigs}
B08B 9/0556	.....	{at least partially formed of a frozen liquid or gas}
B08B 9/0557	.....	{Pigs with rings shaped cleaning members, e.g. cup shaped pigs}
B08B 9/0558	.....	{with additional jet means}
B08B 9/057	.....	the cleaning devices being entrained discrete elements, e.g. balls, grinding elements, brushes
B08B 9/08	.	Cleaning containers, e.g. tanks
B08B 9/0804	..	{Cleaning containers having tubular shape, e.g. casks, barrels, drums( <a href="#">B08B 9/20</a> take precedence )}
B08B 9/0808	...	{by methods involving the use of tools, e.g. by brushes, scrapers}
B08B 9/0813	...	{by the force of jets or sprays}
B08B 9/0817	...	{by agitating or tumbling containers filled with liquid or liquid and abrasive, e.g. chain}
B08B 9/0821	..	{Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices( <a href="#">B08B 9/20</a> takes precedence )}
B08B 9/0826	...	{the containers being brought to the cleaning device}
B08B 9/083	..	{Removing scrap from containers, e.g. removing labels}
B08B 9/0835	...	{Removing remnants of closures from bottle necks}
B08B 9/0839	..	{Cleaning milk churns( <a href="#">B08B 9/0804</a> , <a href="#">B08B 9/20</a> take precedence )}
B08B 9/0843	...	{for large numbers of milk churns}
B08B 9/0848	...	{Devices for inverting or emptying milk churns, applying or unseating covers}
B08B 9/0852	..	{Drainage racks( see also <a href="#">A47J 47/20</a> )}
B08B 9/0856	..	{Cleaning of water-treatment installations}
B08B 9/0861	..	{Cleaning crates, boxes or the like( <a href="#">B08B 9/083</a> takes precedence )}
B08B 9/0865	..	{by burning-out( <a href="#">B08B 9/40</a> takes precedence )}
B08B 9/087	..	by methods involving the use of tools, e.g. brushes, scrapers({ <a href="#">B08B 9/0808</a> } , <a href="#">B08B 9/20</a> take precedence )
B08B 9/093	..	by the force of jets or sprays({ <a href="#">B08B 9/0813</a> } , <a href="#">B08B 9/20</a> take precedence )
B08B 9/0933	...	{Removing sludge or the like from tank bottoms}
B08B 9/0936	...	{using rotating jets}

- B08B 9/20                   ..     by using apparatus into or on to which containers e.g. bottles, jars, cans are brought{( [washing or rinsing crockery or tableware A47L 15/00](#) )}
- B08B 9/205               ...     {Conveying containers to or from the cleaning machines}
- B08B 9/22                ...     the apparatus cleaning by soaking alone
- B08B 9/24               ....     and having conveyers
- B08B 9/26               .....    Rotating conveyers
- B08B 9/28               ...     the apparatus cleaning by splash, spray, or jet application, with or without soaking
- B08B 9/283              ....     {by gas jets}
- B08B 9/286              .....    {the gas being ionized}
- B08B 9/30               ....     and having conveyers
- B08B 9/32               .....    Rotating conveyers
- B08B 9/34               ....     Arrangements of conduits or nozzles
- B08B 9/36               ...     the apparatus cleaning by using brushes
- B08B 9/38               ...     the apparatus cleaning by using scrapers, chains, grains of shot, sand or other abrasive means( [abrasive blasting in general B24C](#) )
- B08B 9/40               ...     the apparatus cleaning by burning out
- B08B 9/42               ...     the apparatus being characterised by means for conveying or carrying containers therethrough
- B08B 9/423              ....     {Holders for bottles, cell construction}
- B08B 9/426              ....     {Grippers for bottles}
- B08B 9/44               ....     the means being for loading or unloading the apparatus
- B08B 9/46               ..     Inspecting cleaned containers for cleanliness
  
- B08B 11/00            Cleaning flexible or delicate articles by methods or apparatus specially adapted thereto( [B08B 3/12](#) , [B08B 6/00](#) take precedence )**
- B08B 11/02            .     Devices for holding articles during cleaning{( [B08B 9/42](#) takes precedence )}
- B08B 11/04            .     specially adapted for plate glass, e.g. prior to manufacture of windshields( [cleaning the gap between permanently secured panes E06B 3/677](#) )
  
- B08B 13/00           Accessories or details of general applicability for machines or apparatus for cleaning**
  
- B08B 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 A47J 36/38](#) ; refuse disposal [B65F](#) ; devices for conducting smoke or fumes, e.g. flues, [F23J 11/00](#) ; removing cooking fumes from domestic stoves or ranges [F24C 15/20](#) ; air conditioning, ventilation [F24F](#) )**
- B08B 15/002           .     {using a central suction system, e.g. for collecting exhaust gases in workshops( removing dust from textile machines [D01H 11/00](#) ; ventilation of mines, galleries or tunnels, e.g. traffic tunnels, [E21F 1/00](#) )}
- B08B 15/005           ..     {comprising a stationary main duct with one or more branch units, the branch units being freely movable along a sealed longitudinal slit in the main duct}

B08B 15/007	<ul style="list-style-type: none"> <li>. {Fume suction nozzles arranged on a closed or semi-closed surface, e.g. on a circular, ring-shaped or rectangular surface adjacent the area where fumes are produced( <a href="#">B08B 15/04</a> takes precedence )}</li> </ul>
B08B 15/02	<ul style="list-style-type: none"> <li>. using chambers or hoods covering the area{( <a href="#">B08B 15/002</a> takes precedence )}</li> </ul>
B08B 15/023	<ul style="list-style-type: none"> <li>.. {Fume cabinets or cupboards, e.g. for laboratories}</li> </ul>
B08B 15/026	<ul style="list-style-type: none"> <li>.. {Boxes for removal of dirt, e.g. for cleaning brakes, glove- boxes}</li> </ul>
B08B 15/04	<ul style="list-style-type: none"> <li>. from a small area, e.g. a tool{( <a href="#">removing chips B23Q 11/0042</a> )}</li> </ul>
<b>B08B 17/00</b>	<b>Methods preventing fouling</b> {( preventing accumulation of deposits in pneumatic conveyers <a href="#">B65G 53/521</a> )}
B08B 17/02	<ul style="list-style-type: none"> <li>. Preventing deposition of fouling or of dust</li> </ul>
B08B 17/025	<ul style="list-style-type: none"> <li>.. {Prevention of fouling with liquids by means of devices for containing or collecting said liquids}</li> </ul>
B08B 17/04	<ul style="list-style-type: none"> <li>.. by using removable coverings</li> </ul>
B08B 17/06	<ul style="list-style-type: none"> <li>.. by giving articles subject to fouling a special shape or arrangement</li> </ul>
B08B 17/065	<ul style="list-style-type: none"> <li>... {the surface having a microscopic surface pattern to achieve the same effect as a lotus flower}</li> </ul>
<b>B08B 2200/00</b>	<b>Dummy title</b>
<b>B08B 2203/00</b>	<b>Details of cleaning machines or methods involving the use or presence of liquid or steam</b>
B08B 2203/002	<ul style="list-style-type: none"> <li>. the liquid being a degassed liquid</li> </ul>
B08B 2203/005	<ul style="list-style-type: none"> <li>. the liquid being ozonated</li> </ul>
B08B 2203/007	<ul style="list-style-type: none"> <li>. Heating the liquid</li> </ul>
B08B 2203/02	<ul style="list-style-type: none"> <li>. Details of machines or methods for cleaning by the force of jets or sprays</li> </ul>
B08B 2203/0205	<ul style="list-style-type: none"> <li>.. Bypass pressure relief valves</li> </ul>
B08B 2203/0211	<ul style="list-style-type: none"> <li>.. Case coverings</li> </ul>
B08B 2203/0217	<ul style="list-style-type: none"> <li>.. Use of a detergent in high pressure cleaners; arrangements for supplying the same</li> </ul>
B08B 2203/0223	<ul style="list-style-type: none"> <li>.. Electric motor pumps</li> </ul>
B08B 2203/0229	<ul style="list-style-type: none"> <li>.. Suction chambers for aspirating the sprayed liquid</li> </ul>
B08B 2203/0235	<ul style="list-style-type: none"> <li>.. Cooling the motor pump</li> </ul>
B08B 2203/0241	<ul style="list-style-type: none"> <li>.. Combustion motor pumps</li> </ul>
B08B 2203/0247	<ul style="list-style-type: none"> <li>.. Hose joints, e.g. quick joints, rotating joints</li> </ul>
B08B 2203/0252	<ul style="list-style-type: none"> <li>.. Ecological type pressure cleaners, e.g. by pressure intensifiers</li> </ul>
B08B 2203/0258	<ul style="list-style-type: none"> <li>.. Multiple lance high pressure cleaning station</li> </ul>
B08B 2203/0264	<ul style="list-style-type: none"> <li>.. Splash guards</li> </ul>
B08B 2203/027	<ul style="list-style-type: none"> <li>.. Pump details</li> </ul>
B08B 2203/0276	<ul style="list-style-type: none"> <li>.. Hose reels specific for high pressure cleaners</li> </ul>
B08B 2203/0282	<ul style="list-style-type: none"> <li>.. Safety devices</li> </ul>
B08B 2203/0288	<ul style="list-style-type: none"> <li>.. Ultra or megasonic jets</li> </ul>
B08B 2203/0294	<ul style="list-style-type: none"> <li>.. Wobbling swash plates for high pressure cleaners</li> </ul>



<b>B08B 2205/00</b>	<b>Details of machines or methods for cleaning by the use of gas or air flow</b>
B08B 2205/005	. Using the coanda effect of the gas flow/stream
<b>B08B 2209/00</b>	<b>Details of machines or methods for cleaning hollow articles</b>
B08B 2209/005	. Use of ultrasonics or cavitation, e.g. as primary or secondary action
B08B 2209/02	. Details of apparatuses or methods for cleaning pipes or tubes
B08B 2209/022	.. making use of the reversal flow of the cleaning liquid
B08B 2209/024	.. by creating a shock wave in the cleaning liquid
B08B 2209/027	.. for cleaning the internal surfaces
B08B 2209/032	... by the mechanical action of a moving fluid
B08B 2209/04	... using cleaning devices introduced into and moved along the pipes
B08B 2209/045	.... Making cleaning devices buoyant within a pipeline to be cleaned
B08B 2209/053	.... being moved along the pipes by a fluid, e.g. by fluid pressure or by suction
B08B 2209/055	..... the cleaning devices conforming to, or being conformable to, substantially the same cross-section of the pipes, e.g. pigs or moles
B08B 2209/0553	..... Pigs provided with detection means
B08B 2209/0556	..... the detection means being magnets
B08B 2209/08	. Details of machines or methods for cleaning containers, e.g. tanks
B08B 2209/085	.. Cleaning flexible bags
<b>B08B 2215/00</b>	<b>Preventing escape of dirt or fumes from the area where they are produced; Collecting or removing dirt or fumes from that area</b>
B08B 2215/003	. with the assistance of blowing nozzles
B08B 2215/006	. Suction tables
<b>B08B 2220/00</b>	<b>Type of materials or objects being removed</b>
B08B 2220/01	. Adhesive materials
B08B 2220/02	. Chewing gum
B08B 2220/04	. Polymers
<b>B08B 2230/00</b>	<b>Other cleaning aspects applicable to all <a href="#">B08B</a> range</b>
B08B 2230/01	. Cleaning with steam
<b>B08B 2240/00</b>	<b>Type of materials or objects being cleaned</b>
B08B 2240/02	. Optical fibers or optical fiber connectors