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 golf-clubs or golf accessories A63B 57/60; cleaning grips of bats on rackets A63B 60/36}; 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 <u>covers</u> 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 <u>A61G 9/02</u>, filters, semi-permeable membres <u>B01D</u>, castings and moulds <u>B22D 29/00</u>, vehicles <u>B60S</u>, coke ovens <u>C10B 43/00</u>, building forms <u>E04G</u>, boilers <u>F22</u>, combustion apparatus <u>F23</u>, furnaces <u>F27</u>; the general nature of the cleaning, e.g. preparing for sugar manufacture <u>A23N</u>, domestic cleaning <u>A47L</u>, treatment of textiles <u>D06</u>, laundry <u>D06F</u>, air-conditioning <u>F24F</u>;
- the particular operation performed, e.g. filtering <u>B01D</u>, separating of solids <u>B03</u>, <u>B07</u>, sand-blasting <u>B24C</u>;
- the particular apparatus or device, e.g. brushes <u>A46B</u>, mops <u>A47L</u>, centrifuges <u>B04</u>, hand tools <u>B25</u>{ devices for cleaning paint-applying hand tools after use <u>B44D 3/006</u>};
- the substance cleaned, e.g. metals <u>B21C</u>, <u>C23</u>, water <u>C02</u>, glass <u>C03B</u>, leather <u>C14B</u>, textile fibres <u>D01</u>;
- the substance removed (or prevented from depositing or forming) e.g. { removing paint <u>B44D 3/00</u>, e.g. } implements or apparatus for removing dry paint from surfaces <u>B44D 3/16</u>;
- chemical paint-removers C09D 9/00;
- preventing rust C23F;
- the substance used, e.g. macromolecular compounds or compositions <u>C08</u>, anti-icing materials <u>C09K</u>, detergents <u>C11D</u>;
- the operation in connection with which cleaning is done, e.g. metal rolling <u>B21B</u>, metal boring <u>B23B</u>, soldering <u>B23K</u>, textile fabrication D01G, D01H, D03J, D04B;
- the surroundings of a surface to be cleaned or kept clean, e.g. water in a boiler CO2F, 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

(cleaning hollow articles by methods or apparatus specially adapted thereto <u>B08B 9/00</u>)

WARNING

Group <u>B08B 1/00</u> is impacted by reclassification into groups <u>B08B 1/14</u>, <u>B08B 1/143</u>, <u>B08B 1/145</u>, <u>B08B 1/16</u>, <u>B08B 1/165</u> and <u>B08B 1/40</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/10 • characterised by the type of cleaning tool

WARNING

Group <u>B08B 1/10</u> is impacted by reclassification into groups <u>B08B 1/14</u>, <u>B08B 1/143</u>, <u>B08B 1/145</u>, <u>B08B 1/16</u>, <u>B08B 1/165</u> and <u>B08B 1/40</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/12 . . Brushes

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1/14 . . Wipes; Absorbent members, e.g. swabs or 1/52 . . using fluids sponges (with integrated means for dispensing WARNING fluids <u>B08B 1/40</u>) Group B08B 1/52 is incomplete pending WARNING reclassification of documents from group Groups <u>B08B 1/14</u>, <u>B08B 1/143</u> and B08B 1/50. B08B 1/145 are incomplete pending Groups <u>B08B 1/50</u> and <u>B08B 1/52</u> should be reclassification of documents from groups considered in order to perform a complete B08B 1/00 and B08B 1/10. search. All groups listed in this Warning should be 1/54 . . using mechanical tools considered in order to perform a complete search. WARNING Group B08B 1/54 is incomplete pending 1/143 . . . {Wipes} reclassification of documents from group 1/145 . . . {Swabs} B08B 1/50. 1/16 . . Rigid blades, e.g. scrapers; Flexible blades, e.g. Groups <u>B08B 1/50</u> and <u>B08B 1/54</u> should be wipers considered in order to perform a complete **WARNING** Groups B08B 1/16 and B08B 1/165 are 3/00 Cleaning by methods involving the use or presence incomplete pending reclassification of of liquid or steam (B08B 9/00 takes precedence) documents from groups B08B 1/00 and 3/003 • {Cleaning involving contact with foam} B08B 1/10. 3/006 • {Cabinets or cupboards specially adapted for All groups listed in this Warning should be cleaning articles by hand} considered in order to perform a complete 3/02 . Cleaning by the force of jets or sprays search. 3/022 • • {Cleaning travelling work (B08B 3/042 takes 1/165 . . . {Scrapers} precedence)} 1/20 . Cleaning of moving articles, e.g. of moving webs or 3/024 . . {Cleaning by means of spray elements moving of objects on a conveyor over the surface to be cleaned} 1/30 . by movement of cleaning members over a surface 3/026 • • {Cleaning by making use of hand-held spray 1/32 . . using rotary cleaning members guns; Fluid preparations therefor} 3/028 . . . {Spray guns} WARNING WARNING Group B08B 1/32 is impacted by reclassification into groups B08B 1/34 and This group is no longer used for B08B 1/36. classification. Documents are in the process Groups B08B 1/32, B08B 1/34 and B08B 1/36 of being reclassified to subclass **B05B** should be considered in order to perform a 3/04 . Cleaning involving contact with liquid complete search. 3/041 • • {Cleaning travelling work} 1/34 . . . rotating about an axis parallel to the surface 3/042 • • • {the loose articles or bulk material travelling 1/36 . . . rotating about an axis orthogonal to the surface gradually through a drum or other container, e.g. by helix or gravity} 1/40 . Cleaning tools with integrated means for dispensing fluids, e.g. water, steam or detergents (cleaning by 3/044 . . {using agitated containers in which the liquid the force of jets or sprays B08B 3/02) and articles or material are placed (by means of ultrasonic vibrations B08B 3/12; cleaning casks WARNING or barrels by agitating B08B 9/0817; mixers with Group B08B 1/40 is incomplete pending shaking, oscillating or vibrating mechanisms reclassification of documents from groups B01F 31/00)} B08B 1/00 and B08B 1/10. 3/045 • • {using perforated containers, e.g. baskets, or Groups <u>B08B 1/00</u>, <u>B08B 1/10</u> and <u>B08B 1/40</u> racks immersed and agitated in a liquid bath (using perforated drums <u>B08B 3/06</u>)} should be considered in order to perform a complete search. 3/047 . . . {Containers specially adapted therefor} 3/048 • • {Overflow-type cleaning, e.g. tanks in which the 1/50 . involving cleaning of the cleaning members liquid flows over the tank in which the articles are WARNING placed} 3/06 using perforated drums in which the article Group B08B 1/50 is impacted by reclassification or material is placed {(B08B 3/042 takes into groups <u>B08B 1/52</u> and <u>B08B 1/54</u>. precedence)} Groups B08B 1/50, B08B 1/52 and B08B 1/54 3/08 the liquid having chemical or dissolving effect should be considered in order to perform a (substances used, see the relevant classes) complete search. 3/10 with additional treatment of the liquid or of the object being cleaned, e.g. by heat, by electricity or by vibration

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3/102	• • • { with means for agitating the liquid (by agitating the container B08B 3/042, B08B 3/044, B08B 3/045, B08B 3/06) }	9/00	Cleaning hollow articles by methods or apparatus specially adapted thereto (B08B 6/00 takes precedence)
3/104	· · · · {using propellers}	9/02	• Cleaning pipes or tubes or systems of pipes or tubes
3/106	 {by boiling the liquid}	2,02	(apparatus for cleaning metal pipes by chemical
3/108	{by boining the liquid} {by lowering and raising the level of the cleaning liquid}		methods <u>C23G 3/04</u> {; removing obstructions in waste pipes or sinks <u>E03C 1/30</u> ; cleaning
3/12	• • • by sonic or ultrasonic vibrations (washing or rinsing machines for crockery or tableware using sonic or ultrasonic waves <u>A47L 15/13</u> ; of natural teeth, of prostheses using ultrasonic		sewer pipes <u>E03F 9/00</u> ; cleaning boreholes or wells <u>E21B 37/00</u> ; cleaning furnace tubes, flues, chimneys <u>F23J 3/02</u> ; cleaning heat-transfer conduits, e.g. water tubes of boilers <u>F28G</u> })
	techniques similar to those used for natural teeth A61C 17/20; application of ultrasonic	9/021	• • {Cleaning pipe ends or pipe fittings, e.g. before soldering (grinding tube ends <u>B24B 9/007</u>)}
	vibrations to chemical, physical or physico- chemical processes in general <u>B01J 19/10</u>)	9/023	Cleaning the external surface (B08B 9/021 takes precedence)
3/123	• • • (Cleaning travelling work, e.g. webs, articles on a conveyor (conveyors <u>B65G</u> ; handling	9/027	Cleaning the internal surfaces; Removal of blockages
3/126	webs <u>B65H</u>)} {in particular moving bottles}	9/032	by the mechanical action of a moving fluid, e.g. by flushing (B08B 9/04 takes precedence)
3/120	Removing waste, e.g. labels, from cleaning liquid; {Regenerating cleaning		{; by fluid jets mounted on cleaning devices B08B 9/0433})
	liquids}(treatment of water in general <u>C02F</u>)	9/0321	• • • {using pressurised, pulsating or purging fluid (E04F 17/126 takes precedence)}
5/00	Cleaning by methods involving the use of air flow or gas flow (<u>B08B 6/00</u> takes precedence)	9/0322	• • • • {in combination with a plug, e.g. inflatable mole, to isolate a part of the tube
5/02	• Cleaning by the force of jets, e.g. blowing-out cavities {(airguns or nozzles per se B05B 1/005)}		(plugging pigs for stopping flow in pipes F16L 55/1283)}
5/023	• • {Cleaning travelling work}	9/0323	{Arrangements specially designed for
5/026	{Cleaning moving webs}	<i>3,</i> 00 2 0	simultaneous and parallel cleaning of a
5/04	. Cleaning by suction, with or without auxiliary		plurality of conduits}
	action ({B08B 9/035 takes precedence; } suction	9/0325	{Control mechanisms therefor}
	cleaners <u>A47L</u>)	9/0326	{Using pulsations}
5/043	• • {Cleaning travelling work}	9/0327	{the fluid being in the form of a mist}
5/046	{Cleaning moving webs}	9/0328	• • • • {by purging the pipe with a gas or a mixture of gas and liquid}
6/00	Cleaning by electrostatic means (domestic cleaning	9/035	by suction
	implements functioning electrostatically <u>A47L 13/40</u> ; cleaning of grooved record carriers <u>G11B 3/58</u>)	9/04	using cleaning devices introduced into and moved along the pipes
7/00	Cleaning by methods not provided for in a single other subclass or a single group in this subclass	9/043	moved by externally powered mechanical linkage, e.g. pushed or drawn through the
7/0007	• {by explosions}		pipes
7/0014	• {by incorporation in a layer which is removed with the contaminants}	9/0433	• • • {provided exclusively with fluid jets as cleaning tools}
7/0021	• {by liquid gases or supercritical fluids}	9/0436	• • • • {provided with mechanical cleaning tools,
7/0028	• {by adhesive surfaces}		e.g. scrapers, with or without additional
7/0035	• {by radiant energy, e.g. UV, laser, light beam or the like}		fluid jets (<u>B08B 9/045</u> , <u>B08B 9/047</u> take precedence)}
7/0042	{by laser}	9/045	the cleaning devices being rotated while
7/005	• • {by infrared radiation}		moved {, e.g. flexible rotating shaft or
7/0057	• {by ultraviolet radiation}		"snake"}(<u>B08B 9/047</u> takes precedence)
7/0064	• {by temperature changes}	9/047	the cleaning devices having {internal}
7/0071	• {by heating (B08B 7/0035 takes precedence)}		motors {, e.g. turbines} for powering
7/0078	• • {in a fluidized bed}		cleaning tools
7/0085	• • {by pyrolysis}	9/049	having self-contained propelling means for
7/0092	• {by cooling}		moving the cleaning devices along the pipes
7/02	 by distortion, beating, or vibration of the surface to 		{, i.e. self-propelled}
7/022	be cleaned {(B08B 7/0007 takes precedence)} • {Needle scalers}	9/0492	{Heavy-type cleaning devices, e.g. crawlers with plural cleaning members
7/022	{Rotary scalers}		(B08B 9/051 takes precedence)
		9/0495	• • • • {Nozzles propelled by fluid jets}
7/026	• {Using sound waves}	9/0497	• • • • • {provided with additional mechanical
7/028	 {Using ultrasounds}. by a combination of operations		cleaning tools}
7/04	. by a combination of operations	9/051	 the cleaning devices having {internal} motors {, e.g. turbines} for powering cleaning tools

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9/053	• • • • moved along the pipes by a fluid, e.g. by fluid pressure or by suction	9/205	• • {Conveying containers to or from the cleaning machines}
9/0535	{the cleaning device being restricted in its	9/22	the apparatus cleaning by soaking alone
2,0000	movement by a cable or the like}	9/24	and having conveyors
0/055	• • • • the cleaning devices conforming to, or		
9/055		9/26	Rotating conveyors
	being conformable to, substantially the	9/28	• • • the apparatus cleaning by splash, spray, or jet
	same cross-section of the pipes, {e.g. pigs		application, with or without soaking
	or moles (pigs or moles <u>per se F16L 55/26</u> ;	9/283	• • • {by gas jets}
	their launching and detection <u>F16L 55/46</u> ;	9/286	• • • • {the gas being ionized}
	separating pigs in pipelines <u>F17D 3/00</u>)	9/30	and having conveyors
9/0551	{Control mechanisms therefor}		
9/0552	{Spherically shaped pigs}	9/32	Rotating conveyors
9/0553	{Cylindrically shaped pigs}	9/34	Arrangements of conduits or nozzles
	{Diablo shaped pigs}	9/36	• • • the apparatus cleaning by using brushes
9/0554		9/38	the apparatus cleaning by using scrapers,
9/0555	• • • • {Gelled or degradable pigs}		chains, grains of shot, sand or other abrasive
9/0556	• • • • • • { at least partially formed of a frozen		means (abrasive blasting in general <u>B24C</u>)
	liquid or gas}	9/40	the apparatus cleaning by burning out
9/0557	• • • • • {Pigs with rings shaped cleaning	9/42	• • • the apparatus being characterised by means for
	members, e.g. cup shaped pigs}	9/42	
9/0558	• • • • • {with additional jet means}	0.4400	conveying or carrying containers therethrough
	the cleaning devices being entrained	9/423	• • • {Holders for bottles, cell construction}
9/057		9/426	• • • {Grippers for bottles}
	discrete elements, e.g. balls, grinding	9/44	the means being for loading or unloading the
	elements, brushes		apparatus
9/08	 Cleaning containers, e.g. tanks 	9/46	Inspecting cleaned containers for cleanliness
9/0804	• • {Cleaning containers having tubular shape,	2/40	• • Inspecting creatica containers for creatininess
	e.g. casks, barrels, drums (B08B 9/20 take	11/00	Cleaning flexible or delicate articles by methods or
	precedence)}		apparatus specially adapted thereto (B08B 3/12,
9/0808	• • {by methods involving the use of tools, e.g. by		B08B 6/00 take precedence)
2/0000	brushes, scrapers}	11/02	Devices for holding articles during cleaning
0/0012		11/02	
9/0813	• • • {by the force of jets or sprays}	11/04	$\{(\underline{B08B} 9/42 \text{ takes precedence})\}$
9/0817	• • • {by agitating or tumbling containers filled with	11/04	 specially adapted for plate glass, e.g. prior to
	liquid or liquid and abrasive, e.g. chain}		manufacture of windshields (cleaning the gap
	1 1 , 5 ,		
9/0821	• • {Handling or manipulating containers, e.g.		between permanently secured panes <u>E06B 3/677</u>)
9/0821		12/00	between permanently secured panes E06B 3/677)
9/0821	• • {Handling or manipulating containers, e.g. moving or rotating containers in cleaning	13/00	between permanently secured panes E06B 3/677) Accessories or details of general applicability for
9/0821	Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices	13/00	between permanently secured panes E06B 3/677)
	• • {Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)}		between permanently secured panes E06B 3/677) Accessories or details of general applicability for machines or apparatus for cleaning
9/0821	 . {Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} . {the containers being brought to the cleaning 	13/00 15/00	between permanently secured panes E06B 3/677) Accessories or details of general applicability for machines or apparatus for cleaning Preventing escape of dirt or fumes from the area
9/0826	 . {Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} . {the containers being brought to the cleaning device} 		between permanently secured panes E06B 3/677) Accessories or details of general applicability for machines or apparatus for cleaning Preventing escape of dirt or fumes from the area where they are produced; Collecting or removing
	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing 		between permanently secured panes E06B 3/677) Accessories or details of general applicability for machines or apparatus for cleaning 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
9/0826 9/083	 • {Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} • • {the containers being brought to the cleaning device} • {Removing scrap from containers, e.g. removing labels} 		between permanently secured panes E06B 3/677) Accessories or details of general applicability for machines or apparatus for cleaning 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
9/0826	 • {Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} • • {the containers being brought to the cleaning device} • {Removing scrap from containers, e.g. removing labels} • • {Removing remnants of closures from bottle 		between permanently secured panes E06B 3/677) Accessories or details of general applicability for machines or apparatus for cleaning 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
9/0826 9/083	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} 		between permanently secured panes E06B 3/677) Accessories or details of general applicability for machines or apparatus for cleaning 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
9/0826 9/083	 • {Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} • • {the containers being brought to the cleaning device} • {Removing scrap from containers, e.g. removing labels} • • {Removing remnants of closures from bottle 		Accessories or details of general applicability for machines or apparatus for cleaning 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;
9/0826 9/083 9/0835	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} 		between permanently secured panes E06B 3/677) Accessories or details of general applicability for machines or apparatus for cleaning 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
9/0826 9/083 9/0835 9/0839	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} {Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)} 		Accessories or details of general applicability for machines or apparatus for cleaning 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;
9/0826 9/083 9/0835 9/0839 9/0843	 . {Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} . {the containers being brought to the cleaning device} . {Removing scrap from containers, e.g. removing labels} . {Removing remnants of closures from bottle necks} . {Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)} . {for large numbers of milk churns} 		Accessories or details of general applicability for machines or apparatus for cleaning 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
9/0826 9/083 9/0835 9/0839	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} {Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)} {for large numbers of milk churns} {Devices for inverting or emptying milk 	15/00	Accessories or details of general applicability for machines or apparatus for cleaning 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)
9/0826 9/083 9/0835 9/0839 9/0843 9/0848	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} {Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)} {for large numbers of milk churns} {Devices for inverting or emptying milk churns, applying or unseating covers} 		Accessories or details of general applicability for machines or apparatus for cleaning 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) • {using a central suction system, e.g. for collecting}
9/0826 9/083 9/0835 9/0839 9/0843 9/0848 9/0852	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} {Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)} {for large numbers of milk churns} {Devices for inverting or emptying milk churns, applying or unseating covers} {Drainage racks (see also A47J 47/20)} 	15/00	Accessories or details of general applicability for machines or apparatus for cleaning 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) • {using a central suction system, e.g. for collecting exhaust gases in workshops (removing dust from
9/0826 9/083 9/0835 9/0839 9/0843 9/0848	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} {Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)} {for large numbers of milk churns} {Devices for inverting or emptying milk churns, applying or unseating covers} {Drainage racks (see also A47J 47/20)} {Cleaning of water-treatment installations} 	15/00	Accessories or details of general applicability for machines or apparatus for cleaning 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) • {using a central suction system, e.g. for collecting exhaust gases in workshops (removing dust from textile machines D01H 11/00; ventilation of mines,
9/0826 9/083 9/0835 9/0839 9/0843 9/0848 9/0852	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} {Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)} {for large numbers of milk churns} {Devices for inverting or emptying milk churns, applying or unseating covers} {Drainage racks (see also A47J 47/20)} 	15/00 15/002	Accessories or details of general applicability for machines or apparatus for cleaning 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) • {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)}
9/0826 9/083 9/0835 9/0839 9/0843 9/0848 9/0852 9/0856	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} {Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)} {for large numbers of milk churns} {Devices for inverting or emptying milk churns, applying or unseating covers} {Drainage racks (see also A47J 47/20)} {Cleaning of water-treatment installations} 	15/00	Accessories or details of general applicability for machines or apparatus for cleaning 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) • {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)} • {comprising a stationary main duct with one or
9/0826 9/083 9/0835 9/0839 9/0843 9/0848 9/0852 9/0856 9/0861	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} {Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)} {for large numbers of milk churns} {Devices for inverting or emptying milk churns, applying or unseating covers} {Drainage racks (see also A47J 47/20)} {Cleaning of water-treatment installations} {Cleaning crates, boxes or the like (B08B 9/083 takes precedence)} 	15/00 15/002	Accessories or details of general applicability for machines or apparatus for cleaning 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) • {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)} • {comprising a stationary main duct with one or more branch units, the branch units being freely
9/0826 9/083 9/0835 9/0839 9/0843 9/0848 9/0852 9/0856 9/0861	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} {Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)} {for large numbers of milk churns} {Devices for inverting or emptying milk churns, applying or unseating covers} {Drainage racks (see also A47J 47/20)} {Cleaning of water-treatment installations} {Cleaning crates, boxes or the like (B08B 9/083 takes precedence)} {by burning-out (B08B 9/40 takes precedence)} 	15/00 15/002	Accessories or details of general applicability for machines or apparatus for cleaning 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) • {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)} • • {comprising a stationary main duct with one or more branch units, the branch units being freely movable along a sealed longitudinal slit in the
9/0826 9/083 9/0835 9/0839 9/0843 9/0848 9/0852 9/0856 9/0861	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} {Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)} {for large numbers of milk churns} {Devices for inverting or emptying milk churns, applying or unseating covers} {Drainage racks (see also A47J 47/20)} {Cleaning of water-treatment installations} {Cleaning crates, boxes or the like (B08B 9/083 takes precedence)} {by burning-out (B08B 9/40 takes precedence)} by methods involving the use of tools, e.g. 	15/00 15/002	Accessories or details of general applicability for machines or apparatus for cleaning 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) • {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)} • {comprising a stationary main duct with one or more branch units, the branch units being freely
9/0826 9/083 9/0835 9/0839 9/0843 9/0848 9/0852 9/0856 9/0861	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} {Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)} {for large numbers of milk churns} {Devices for inverting or emptying milk churns, applying or unseating covers} {Drainage racks (see also A47J 47/20)} {Cleaning of water-treatment installations} {Cleaning crates, boxes or the like (B08B 9/083 takes precedence)} by burning-out (B08B 9/40 takes precedence)} by methods involving the use of tools, e.g. brushes, scrapers ({B08B 9/0808}, B08B 9/20 	15/00 15/002	Accessories or details of general applicability for machines or apparatus for cleaning 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) • {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)} • • {comprising a stationary main duct with one or more branch units, the branch units being freely movable along a sealed longitudinal slit in the
9/0826 9/083 9/0835 9/0839 9/0843 9/0848 9/0852 9/0856 9/0861 9/0865 9/087	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} {Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)} {for large numbers of milk churns} {Devices for inverting or emptying milk churns, applying or unseating covers} {Drainage racks (see also A47J 47/20)} {Cleaning of water-treatment installations} {Cleaning crates, boxes or the like (B08B 9/083 takes precedence)} by burning-out (B08B 9/40 takes precedence)} by methods involving the use of tools, e.g. brushes, scrapers ({B08B 9/0808}, B08B 9/20 take precedence) 	15/002 15/005	Accessories or details of general applicability for machines or apparatus for cleaning 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) • {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)} • {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} • {Fume suction nozzles arranged on a closed or
9/0826 9/083 9/0835 9/0839 9/0843 9/0848 9/0852 9/0856 9/0861	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} {Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)} {for large numbers of milk churns} {Devices for inverting or emptying milk churns, applying or unseating covers} {Drainage racks (see also A47J 47/20)} {Cleaning of water-treatment installations} {Cleaning crates, boxes or the like (B08B 9/083 takes precedence)} by burning-out (B08B 9/40 takes precedence)} by methods involving the use of tools, e.g. brushes, scrapers ({B08B 9/0808}, B08B 9/20 take precedence) by the force of jets or sprays ({B08B 9/0813}, 	15/002 15/005	Accessories or details of general applicability for machines or apparatus for cleaning 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) • {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)} • • {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} • {Fume suction nozzles arranged on a closed or semi-closed surface, e.g. on a circular, ring-shaped
9/0826 9/083 9/0835 9/0839 9/0843 9/0848 9/0852 9/0856 9/0861 9/0865 9/087	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} {Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)} {for large numbers of milk churns} {Devices for inverting or emptying milk churns, applying or unseating covers} {Drainage racks (see also A47J 47/20)} {Cleaning of water-treatment installations} {Cleaning crates, boxes or the like (B08B 9/083 takes precedence)} by methods involving the use of tools, e.g. brushes, scrapers ({B08B 9/0808}, B08B 9/20 take precedence) by the force of jets or sprays ({B08B 9/0813}, B08B 9/20 take precedence) 	15/002 15/005	Accessories or details of general applicability for machines or apparatus for cleaning 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) • {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)} • • {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} • {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
9/0826 9/083 9/0835 9/0839 9/0843 9/0848 9/0852 9/0856 9/0861 9/0865 9/087	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} {Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)} {for large numbers of milk churns} {Devices for inverting or emptying milk churns, applying or unseating covers} {Drainage racks (see also A47J 47/20)} {Cleaning of water-treatment installations} {Cleaning crates, boxes or the like (B08B 9/083 takes precedence)} by burning-out (B08B 9/40 takes precedence)} by methods involving the use of tools, e.g. brushes, scrapers ({B08B 9/0808}, B08B 9/20 take precedence) by the force of jets or sprays ({B08B 9/0813}, 	15/002 15/005 15/007	Accessories or details of general applicability for machines or apparatus for cleaning 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) • {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)} • • {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} • {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 (B08B 15/04 takes precedence)}
9/0826 9/083 9/0835 9/0839 9/0843 9/0848 9/0852 9/0856 9/0861 9/0865 9/087	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} {Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)} {for large numbers of milk churns} {Devices for inverting or emptying milk churns, applying or unseating covers} {Drainage racks (see also A47J 47/20)} {Cleaning of water-treatment installations} {Cleaning crates, boxes or the like (B08B 9/083 takes precedence)} by methods involving the use of tools, e.g. brushes, scrapers ({B08B 9/0808}, B08B 9/20 take precedence) by the force of jets or sprays ({B08B 9/0813}, B08B 9/20 take precedence) 	15/002 15/005	Accessories or details of general applicability for machines or apparatus for cleaning 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) • {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)} • • {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} • {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 (B08B 15/04 takes precedence)} • using chambers or hoods covering the area
9/0826 9/083 9/0835 9/0839 9/0843 9/0848 9/0852 9/0856 9/0861 9/0865 9/087	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} {Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)} {for large numbers of milk churns} {Devices for inverting or emptying milk churns, applying or unseating covers} {Drainage racks (see also A47J 47/20)} {Cleaning of water-treatment installations} {Cleaning crates, boxes or the like (B08B 9/083 takes precedence)} by methods involving the use of tools, e.g. brushes, scrapers ({B08B 9/0808}, B08B 9/20 take precedence) by the force of jets or sprays ({B08B 9/0813}, B08B 9/20 take precedence) {Removing sludge or the like from tank bottoms} 	15/002 15/005 15/007	Accessories or details of general applicability for machines or apparatus for cleaning 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) • {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)} • {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} • {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 (B08B 15/04 takes precedence)} • using chambers or hoods covering the area {(B08B 15/002 takes precedence)}
9/0826 9/083 9/0835 9/0839 9/0848 9/0852 9/0856 9/0861 9/0865 9/087	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} {Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)} {for large numbers of milk churns} {Devices for inverting or emptying milk churns, applying or unseating covers} {Drainage racks (see also A47J 47/20)} {Cleaning of water-treatment installations} {Cleaning crates, boxes or the like (B08B 9/083 takes precedence)} by methods involving the use of tools, e.g. brushes, scrapers ({B08B 9/0808}, B08B 9/20 take precedence) by the force of jets or sprays ({B08B 9/0813}, B08B 9/20 take precedence) {Removing sludge or the like from tank bottoms} {using rotating jets} 	15/002 15/005 15/007	Accessories or details of general applicability for machines or apparatus for cleaning 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) • {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)} • {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} • {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 (B08B 15/04 takes precedence)} • using chambers or hoods covering the area {(B08B 15/002 takes precedence)} • {Fume cabinets or cupboards, e.g. for
9/0826 9/083 9/0835 9/0839 9/0843 9/0848 9/0852 9/0856 9/0861 9/0865 9/087	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} {Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)} {for large numbers of milk churns} {Devices for inverting or emptying milk churns, applying or unseating covers} {Drainage racks (see also A47J 47/20)} {Cleaning of water-treatment installations} {Cleaning crates, boxes or the like (B08B 9/083 takes precedence)} by burning-out (B08B 9/40 takes precedence)} by methods involving the use of tools, e.g. brushes, scrapers ({B08B 9/0808}, B08B 9/20 take precedence) by the force of jets or sprays ({B08B 9/0813}, B08B 9/20 take precedence) {Removing sludge or the like from tank bottoms} {using rotating jets} by using apparatus into or on to which containers, 	15/002 15/002 15/007 15/02 15/023	Accessories or details of general applicability for machines or apparatus for cleaning 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) • {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)} • • {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} • {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 (B08B 15/04 takes precedence)} • using chambers or hoods covering the area {(B08B 15/002 takes precedence)} • {Fume cabinets or cupboards, e.g. for laboratories}
9/0826 9/083 9/0835 9/0839 9/0848 9/0852 9/0856 9/0861 9/0865 9/087	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} {Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)} {for large numbers of milk churns} {Devices for inverting or emptying milk churns, applying or unseating covers} {Drainage racks (see also A47J 47/20)} {Cleaning of water-treatment installations} {Cleaning crates, boxes or the like (B08B 9/083 takes precedence)} by burning-out (B08B 9/40 takes precedence)} by methods involving the use of tools, e.g. brushes, scrapers ({B08B 9/0808}, B08B 9/20 take precedence) by the force of jets or sprays ({B08B 9/0813}, B08B 9/20 take precedence) {Removing sludge or the like from tank bottoms} {using rotating jets} by using apparatus into or on to which containers, e.g. bottles, jars, cans are brought {(washing or 	15/002 15/005 15/007	Accessories or details of general applicability for machines or apparatus for cleaning 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) • {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)} • • {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} • {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 (B08B 15/04 takes precedence)} • using chambers or hoods covering the area {(B08B 15/002 takes precedence)} • {Fume cabinets or cupboards, e.g. for laboratories} • {Boxes for removal of dirt, e.g. for cleaning
9/0826 9/083 9/0835 9/0839 9/0848 9/0852 9/0856 9/0861 9/0865 9/087	 Handling or manipulating containers, e.g. moving or rotating containers in cleaning devices, conveying to or from cleaning devices (B08B 9/20 takes precedence)} {the containers being brought to the cleaning device} {Removing scrap from containers, e.g. removing labels} {Removing remnants of closures from bottle necks} {Cleaning milk churns (B08B 9/0804, B08B 9/20 take precedence)} {for large numbers of milk churns} {Devices for inverting or emptying milk churns, applying or unseating covers} {Drainage racks (see also A47J 47/20)} {Cleaning of water-treatment installations} {Cleaning crates, boxes or the like (B08B 9/083 takes precedence)} by burning-out (B08B 9/40 takes precedence)} by methods involving the use of tools, e.g. brushes, scrapers ({B08B 9/0808}, B08B 9/20 take precedence) by the force of jets or sprays ({B08B 9/0813}, B08B 9/20 take precedence) {Removing sludge or the like from tank bottoms} {using rotating jets} by using apparatus into or on to which containers, 	15/002 15/002 15/007 15/02 15/023	Accessories or details of general applicability for machines or apparatus for cleaning 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) • {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)} • • {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} • {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 (B08B 15/04 takes precedence)} • using chambers or hoods covering the area {(B08B 15/002 takes precedence)} • {Fume cabinets or cupboards, e.g. for laboratories}

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15/04	• from a small area, e.g. a tool {(removing chips B23Q 11/0042)}	2209/055	• • • • the cleaning devices conforming to, or being conformable to, substantially the
17/00	Methods preventing fouling {(preventing		same cross-section of the pipes, e.g. pigs or moles
	accumulation of deposits in pneumatic conveyors	2209/0553	Pigs provided with detection means
	<u>B65G 53/521</u>)}	2209/0556	the detection means being magnets
17/02	 Preventing deposition of fouling or of dust 	2209/0330	Details of machines or methods for cleaning
17/025	{Prevention of fouling with liquids by means of	2209/08	containers, e.g. tanks
	devices for containing or collecting said liquids}	2200/095	
17/04	by using removable coverings	2209/085	Cleaning flexible bags
17/06	• • by giving articles subject to fouling a special shape or arrangement	2215/00	Preventing escape of dirt or fumes from the area where they are produced; Collecting or removing
17/065	• • • {the surface having a microscopic surface		dirt or fumes from that area
	pattern to achieve the same effect as a lotus	2215/003	• with the assistance of blowing nozzles
	flower}	2215/006	Suction tables
2202/00	Dataile of elecuine machines on mothed involving	2220/00	Type of materials or objects being removed
2203/00	Details of cleaning machines or methods involving	2220/01	. Adhesive materials
2202/002	the use or presence of liquid or steam	2220/01	Chewing gum
2203/002	the liquid being a degassed liquid		
2203/005	. the liquid being ozonated	2220/04	• Polymers
2203/007	Heating the liquid	2230/00	Other cleaning aspects applicable to all B08B
2203/02	Details of machines or methods for cleaning by the		range
	force of jets or sprays	2230/01	. Cleaning with steam
2203/0205	Bypass pressure relief valves	2230/01	· Cleaning with steam
2203/0211	Case coverings	2240/00	Type of materials or objects being cleaned
2203/0217	Use of a detergent in high pressure cleaners;	2240/02	Optical fibers or optical fiber connectors
	arrangements for supplying the same		
2203/0223	Electric motor pumps		
2203/0229	Suction chambers for aspirating the sprayed		
	liquid		
2203/0235	Cooling the motor pump		
2203/0241	Combustion motor pumps		
2203/0247	Hose joints, e.g. quick joints, rotating joints		
2203/0252	• Ecological type pressure cleaners, e.g. by pressure intensifiers		
2203/0258	Multiple lance high pressure cleaning station		
2203/0264	Splash guards		
2203/027	Pump details		
2203/0276	Hose reels specific for high pressure cleaners		
2203/0282	Safety devices		
2203/0288	Ultra or megasonic jets		
2203/0294	Wobbling swash plates for high pressure cleaners		
2205/00	Details of machines or methods for cleaning by the		
	use of gas or air flow		
2205/005	• Using the coanda effect of the gas flow/stream		
2209/00	Details of machines or methods for cleaning hollow		
2207/00	articles		
2209/005	Use of ultrasonics or cavitation, e.g. as primary or		
2207/003	secondary action		
2209/02			
2209/02	Details of apparatuses or methods for cleaning pipes or tubes		
2200/022			
2209/022	making use of the reversal flow of the cleaning liquid		
2209/024	by creating a shock wave in the cleaning liquid		
2209/027	for cleaning the internal surfaces		
2209/032	by the mechanical action of a moving fluid		
2209/04	using cleaning devices introduced into and		
	moved along the pipes		
2209/045	Making cleaning devices buoyant within a		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	pipeline to be cleaned		
	pipeline to be cicuned		
2209/053			
2209/053	being moved along the pipes by a fluid, e.g. by fluid pressure or by suction		

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