

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1688

DATE: JANUARY 1, 2025

PROJECT RP12361

The following classification changes will be effected by this Notice of Changes:

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Titles Changed:	B08B	SUBCLASS
	B08B	3/08, 3/12, 3/14
	B08B	5/00, 5/04
	B08B	6/00
	B08B	9/00, 9/02, 9/021, 9/023
	B08B	11/00, 11/04
	B08B	15/00
	B24B	9/007
Warnings Modified:	B08B	SUBCLASS
Notes Modified:	B08B	SUBCLASS
DEFINITIONS:		
Definitions Deleted: (no frozen (F) symbol definitions should be deleted)		
Definitions New:	B08B	1/12
	B08B	9/02, 9/021, 9/0328, 9/055
	B08B	11/00, 11/04
	B08B	15/00
Definitions Modified:	B08B	SUBCLASS
	B08B	3/12, 3/14
	B08B	5/00, 5/04
	B08B	6/00
	B08B	9/00

No other subclasses/groups are impacted by this Notice of Changes.

This Notice of Changes includes the following *[Check the ones included]:*

1. CLASSIFICATION SCHEME CHANGES

- A. New, Modified or Deleted Group(s)
- B. New, Modified or Deleted Warning(s)
- C. New, Modified or Deleted Note(s)
- D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

- A. New or Modified Definitions (Full definition template)

CPC NOTICE OF CHANGES 1688

DATE: JANUARY 1, 2025

PROJECT RP12361

- B. Modified or Deleted Definitions (Definitions Quick Fix)
- 3. REVISION CONCORDANCE LIST (RCL)
- 4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
- 5. CHANGES TO THE CROSS-REFERENCE LIST (CRL)

CPC NOTICE OF CHANGES 1688

DATE: JANUARY 1, 2025

PROJECT RP12361

1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS B08B - CLEANING IN GENERAL; PREVENTION OF FOULING IN GENERAL

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	B08B	Subclass	CLEANING IN GENERAL; PREVENTION OF FOULING IN GENERAL	
M	B08B 3/08	2	the liquid having chemical or dissolving effect	
M	B08B 3/12	3	by sonic or ultrasonic vibrations	
M	B08B 3/14	3	Removing waste, e.g. labels, from cleaning liquid	
M	B08B 5/00	0	Cleaning by methods involving the use of a ir flow or gas flow (cleaning hollow articles by methods or a pparatus specially adapted thereto B08B 9/00)	
M	B08B 5/04	1	Cleaning by suction, with or without a uxiliary action	
M	B08B 6/00	0	Cleaning by electrostatic means	
M	B08B 9/00	0	Cleaning hollow articles by methods or a pparatus specially adapted thereto	
M	B08B 9/02	1	Cleaning pipes or tubes or systems of pipes or tubes (apparatus for cleaning metal pipes by chemical methods C23G 3/04)	
M	B08B 9/021	2	{Cleaning pipe ends or pipe fittings, e.g. before soldering}	
M	B08B 9/023	2	Cleaning the external surfaces {(B08B 9/021 takes precedence)}	
M	B08B 11/00	0	Cleaning flexible or delicate articles by methods or a pparatus specially adapted thereto	
M	B08B 11/04	1	specially adapted for plate glass, e.g. prior to manufacture of windshields	
M	B08B 15/00	0	Preventing escape of dirt or fumes from the area where they are produced; Collecting or removing dirt or fumes from that area	

SUBCLASS B24B - MACHINES, DEVICES, OR PROCESSES FOR GRINDING OR POLISHING

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	B24B 9/007	1	{for end faces of tubes}	

CPC NOTICE OF CHANGES 1688

DATE: JANUARY 1, 2025

PROJECT RP12361

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T = existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

- **No { curly brackets } are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The { curly brackets } are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types.
- “Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “<administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or <administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“Transferred to”) symbol, however it is required to specify “<no transfer>” in the “Transferred to” column for such cases.
- For finalization projects, the deleted “F” symbols should have <no transfer> in the “Transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

CPC NOTICE OF CHANGES 1688

DATE: JANUARY 1, 2025

PROJECT RP12361

B. New, Modified or Deleted Warning notice(s)

SUBCLASS B08B - CLEANING IN GENERAL; PREVENTION OF FOULING IN GENERAL

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning</u>
M	B08B	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.	{ 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. }

*N = new warning, M = modified warning, D = deleted warning

NOTE: The "Location" column only requires the symbol PRIOR to the location of the warning. No further directions such as "before" or "after" are required.

CPC NOTICE OF CHANGES 1688

DATE: JANUARY 1, 2025

PROJECT RP12361

C. New, Modified or Deleted Note(s)

SUBCLASS B08B - CLEANING IN GENERAL; PREVENTION OF FOULING IN GENERAL

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	B08B	<p>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:</p> <p>the articles cleaned, e.g. bed-pans, urinal or other sanitary devices for bed-ridden persons A61G9/02, filters, semi-permeable membranes B01D, castings and moulds B22D29/00, vehicles B60S, coke ovens C10B43/00, 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 B44D3/006 } ; 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 B44D3/00, e.g. } implements or apparatus for removing dry paint from surfaces B44D3/16; chemical paint-removers C09D9/00; preventing rust C23F; the substance used, e.g. macromolecular compounds or compositions C08, anti-icing materials C09K, detergents C11D; the operation in connection with which cleaning is done, e.g. metal rolling B21B, metal boring B23B, soldering B23K, textile fabrication D01G, D01H, 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.</p>	<p>This subclass <u>does not cover</u> cleaning specially adapted for articles, substances, devices or surroundings provided that its cleaning aspects are fully classifiable in the relevant application place. Otherwise, classification is made in the most appropriate place in this subclass.</p>

*N = new note, M = modified note, D = deleted note

NOTE: The "Location" column only requires the symbol PRIOR to the location of the note. No further directions such as "before" or "after" are required.

DATE: JANUARY 1, 2025

PROJECT RP12361

2. A. DEFINITIONS (New)

B08B 1/12

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Brushes per se	A46B
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B08B 9/02

References

Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

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

B08B 9/021

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Machines or devices designed for grinding end-faces of tubes	B24B 9/007
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DATE: JANUARY 1, 2025

PROJECT RP12361

B08B 9/0328**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Cleaning by the force of jets, e.g. blowing-out cavities	B08B 5/02
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B08B 9/055**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Pigs or moles in general, i.e. devices movable in a pipe or conduit with or without self-contained propulsion means	F16L 55/26
Launching or retrieval of pigs or moles	F16L 55/46
Separating pigs in pipelines	F17D 3/00

B08B 11/00**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Cleaning by sonic or ultrasonic vibrations	B08B 3/12
Cleaning by electrostatic means	B08B 6/00

DATE: JANUARY 1, 2025

PROJECT RP12361

B08B 11/04**References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Cleaning the gap between permanently secured panes	E06B 3/677
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B08B 15/00**References****Application-oriented references**

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Parts, details or accessories of cooking-vessels for withdrawing or condensing cooking vapours from such vessels	A47J 36/38
Removing cooking fumes from domestic stoves or ranges	F24C 15/20

Informative references

Attention is drawn to the following places, which may be of interest for search:

Refuse disposal	B65F
Devices for conducting smoke or fumes, e.g. flues	F23J 11/00
Air-conditioning or ventilation	F24F

DATE: JANUARY 1, 2025

PROJECT RP12361

2. A. DEFINITIONS (Modified)

B08B

Delete: The entire Definition statement.

References

Insert: The following new Application-oriented references section.

Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Cleaning agricultural implements	A01B 71/08
Cleaning milking machines or devices	A01J 7/02
Machine for cleaning or greasing baking surfaces of bakers' ovens	A21B 3/16
Apparatus for cleaning systems uses for the production of frozen sweets, e.g. ice-cream	A23G 9/30
Machines for washing fruits or vegetables, e.g. coffee, cocoa or nuts	A23N 12/02, A23N 12/06
Helmet visors with cleaning means, e.g. wipers	A42B 3/26
Devices specially adapted for cleaning shavers or razors	A45D 27/46
Devices for cleaning brushes after use	A46B 17/06
Cleaning devices for beverage-making apparatus	A47J 31/60
Hand tools for cleaning the toilet bowl	A47K 11/10
Domestic washing or cleaning	A47L
Cleaning devices specially adapted for surgical instruments	A61B 90/70
Cleaning devices for bed-pans, urinal or other sanitary devices for bed-ridden purposes	A61G 9/02
Devices for cleaning balls	A63B 47/04
Cleaning or maintenance of golf clubs, putters, shoes or other golf accessories	A63B 57/60
Devices for cleaning handles or grips of golf clubs, bats, rackets or the like	A63B 60/36
Apparatus for cleaning bowling balls, pins or alleys	A63D 5/10
Arrangements for cleaning nozzles/dispensers	B05B 15/50
Cleaning for metal-rolling mills	B21B 45/02
Cleaning dies, ducts, containers or mandrels	B21C 3/02, B21C 35/06

CPC NOTICE OF CHANGES 1688

DATE: JANUARY 1, 2025

PROJECT RP12361

Devices for cleaning metal products combined with or specially adapted for use with machines or apparatus provided for in subclass B21C	B21C 43/00
Removing cores from moulds, e.g. by washing	B22D 29/00
Grinding a surface for cleaning purposes, e.g. for descaling or for grinding off flaws in the surface	B24B 27/033
Cleaning of grinding wheels	B24B 53/007
Devices for means for dressing, cleaning or otherwise conditioning lapping tools	B24B 53/017
Abrasive or related blasting with particulate material, e.g. sand-blasting	B24C
Apparatus or processes for cleaning the shaped articles made from clay, other ceramic compositions, slag or cementitious material, e.g. plaster	B28B 11/22
Cleaning of moulds or cores used to shape or join plastics	B29C 33/72
Cleaning of extrusion moulding apparatus used to shape plastics	B29C 48/27
Cleaning of plastic objects made by additive manufacturing	B29C 64/35
Cleaning ink jet nozzles	B41J 2/165
Implements or apparatus for removing dry paint from surfaces, e.g. by scraping or by burning	B44D 3/16
Cleaning of vehicles, not otherwise provided for	B60S
Preventing hull fouling	B63B 59/04
Cleaning devices for hulls	B63B 59/06
Cleaning aircraft	B64F 5/30
Cleaning or disinfecting devices combined with refuse receptacles or refuse vehicles	B65F 7/00
Cleaning devices for conveyor screws and conveyors	B65G 45/00
Concurrent cleaning, filling, and closing of bottles	B67C 7/00
Cleaning beverage-dispensing apparatus	B67D 1/07
Cleaning of fibres or filaments made from glass, minerals or slags, e.g. for reuse	C03C 25/70
Implements or apparatus for removing dry paint from surfaces, e.g. chemical paint-removers	C09D 9/00
Preventing or removing incrustations from coke ovens	C10B 43/00
Detergent compositions; Use of single substances as detergents; Soap or soap-making; Resin soaps; Recovery of glycerol	C11D
Cleaning or de-greasing of metallic material by chemical methods other than electrolysis	C23G
Cleaning fibres	D01G 9/00
Cleaning carding surfaces	D01G 15/76
Cleaning of running surfaces at open-end spinning machines or arrangements	D01H 4/22
Arrangements maintaining drafting elements free of fibre accumulations	D01H 5/60

CPC NOTICE OF CHANGES 1688

DATE: JANUARY 1, 2025

PROJECT RP12361

Auxiliary apparatus combined with or associated with looms for treating warp, e.g. cleaning	D03J 1/02
Laundry	D06F
Cleaning streets, permanent ways, beaches or land	E01H
Devices or arrangements for removing snow, ice or debris from gutters or for preventing accumulation thereof	E04D 13/076
Cleaning tools for building implements or aids	E04G 19/00
Parts, details or accessories of swimming or splash baths or pools, specially adapted for cleaning	E04H 4/16
Methods or apparatus for cleaning boreholes or wells	E21B 37/00
Cleaning of, preventing corrosion or erosion in, or preventing unwanted deposits in, combustion engines	F02B 77/04
Cleaning wind motors	F03D 80/55
Devices or arrangements for removing water, minerals or sludge from boilers	F22B 37/48
Cleaning furnace tubes; Cleaning flues or chimneys	F23J 3/02
Stoves or ranges having self-cleaning provisions, e.g. continuous catalytic cleaning or electrostatic cleaning	F24C 14/00
Cleaning or removing snow from solar heat collectors	F24S 40/20
Devices for removing incrustations at furnaces	F27D 25/00
Cleaning heat-transfer conduits, e.g. water tubes of boilers	F28G
Cleaning arrangements for small arms and ordnance	F41A 29/00
Preparing specimens for investigation by cleaning	G01N 1/34
Preventing of contamination of analytical optical means	G01N 21/15
Cleaning of geophysical equipment or seismic cables	G01V 13/00
Cleaning spectacle frames or lenses, sunglasses, goggles or contact lenses	G02C 13/00
Cleaning or inspecting masks, photomasks, reticles, mask blanks or pellicles	G03F 1/82
Machines or apparatus for cleaning watches	G04D 3/08
Cleaning record carriers	G11B 3/58
Cleaning of electric incandescent lamp vessels	H01K 3/22
Process and apparatus for cleaning semiconductors	H01L 21/02, H01L 21/67
Devices for removing snow or ice from lines or cables	H02G 7/16
Cleaning arrangements in combination with PV modules	H02S 40/10
Cleaning the conductive pattern of printed circuits	H05K 3/26

DATE: JANUARY 1, 2025

PROJECT RP12361

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Manufacture of brushes	A46D
Separation of particles from liquids or gases	B01D
Separation of solid materials	B03, B07
Centrifugal apparatus or machines for carrying-out physical or chemical processes	B04
Turning; Boring	B23B
Soldering	B23K
Hand tools; Portable power-driven tools; Manipulators	B25
Treatment of water in general	C02F
Anti-icing materials	C09K 3/18
Mechanical treatment or processing of skins, hides or leather in general; Pelt-shearing machines; Intestine-splitting	C14B
Inhibiting corrosion or incrustation in general	C23F
Air-conditioning or ventilation	F24F
Preventing or removing electrostatic charges	H05F

B08B 3/12

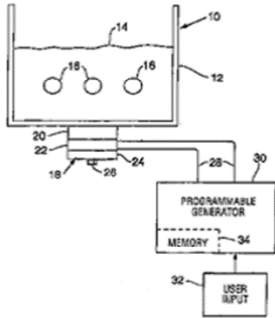
Definition Statement

Replace: The entire Definition statement with the following updated text and image.

Illustrative example of subject matter classified in this place:

DATE: JANUARY 1, 2025

PROJECT RP12361



The Figure illustrates a cleaning tank (12) containing a cleaning liquid (14) and pieces (16) to be cleaned. Ultrasonic energy is supplied to the cleaning liquid by an ultrasonic transducer (18).

References

Insert: The following new Application-oriented references section.

Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Washing or rinsing machines for crockery or tableware using sonic or ultrasonic waves	A47L 15/13
Cleaning of natural teeth, of prostheses using ultrasonic techniques similar to those used for natural teeth	A61C 17/20

Delete: The entire Limiting references section.

Delete: The entire Special rules of classification section.

B08B 3/14

Definition Statement

Replace: The Definition statement with the following updated statement and images.

This place covers:

The additional treatment of the liquid by removing contaminants from the liquid after the liquid has been used in a cleaning process, i.e. regenerating cleaning liquids.

Illustrative examples of subject matter classified in this place:

1.

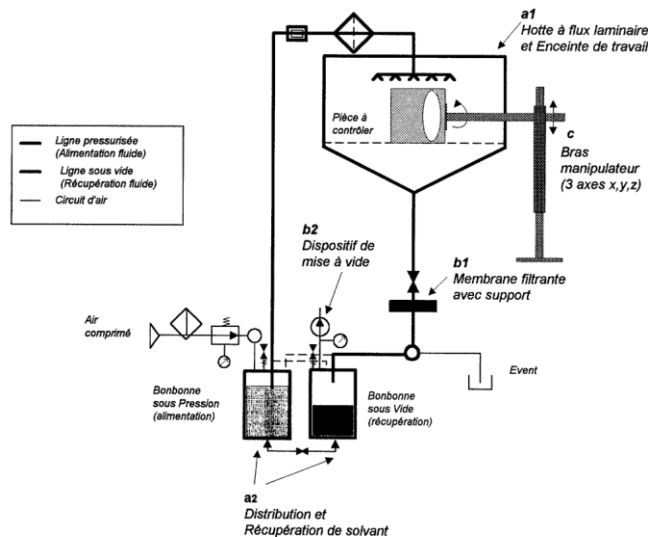
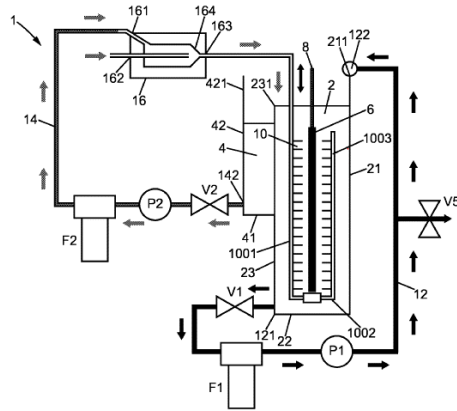


Figure 1 illustrates a device with three modules: a vertical non-recycling laminar flow extraction hood (a1); a dust-controlled working area (a2) with solvent distribution and recovery, and a filter membrane (b1) with means of evacuation

(b2) including or not a particle counter; a manipulating arm (c) for facilitating production and manipulation of large items in the working area.

2.



References

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Treatment of water in general	C02F
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B08B 5/00

Definition Statement

Replace: The existing Definition statement with the new following statement.

This place covers:

Processes or apparatus for the cleaning of objects by means of a gas.

DATE: JANUARY 1, 2025

PROJECT RP12361

Insert: The following new Relationships with other classification places.

Relationships with other classification places

Removing cleaning liquid by means of a gas from an object is not considered cleaning and should not be classified in B08B. The removal of cleaning liquid by means of a gas is considered drying in the sense of subclass F26B.

References

Insert: The following new Limiting references section.

Limiting references

This place does not cover:

Cleaning hollow articles by methods or apparatus specially adapted thereto	B08B 9/00
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Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Cleaning by electrostatic means	B08B 6/00
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B08B 5/04

Definition Statement

Replace: The existing Definition statement with the following updated statement.

This place covers:

Processes or apparatus for the cleaning of objects by means of the mechanical action of suction.

References

DATE: JANUARY 1, 2025

PROJECT RP12361

Insert: The following new Application-oriented references section.

Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Suction cleaners	A47L
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Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Cleaning by the force of jets, e.g. blowing-out cavities	B08B 5/02
Cleaning internal surfaces by suction	B08B 9/035

B08B 6/00

Definition Statement

Replace: The existing Definition statement with the following updated statement.
The image has not changed.

This place covers:

Processes and apparatus for the cleaning of objects by means of electrostatic action on the contaminants.

Illustrative example of subject matter classified in this place:

Insert: The following text as a caption under the image.

The Figure illustrates a cleaning roller (11) brought into contact with the surface (S1) of a material to be cleaned (S), and the foreign materials which are adhered on the surface (S1) are removed using an electrostatic force.

DATE: JANUARY 1, 2025

PROJECT RP12361

References

Insert: The following new Application-oriented references section.

Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Domestic cleaning implements functioning electrostatically	A47L 13/40
Electrostatic separation of solid materials	B03C
Cleaning of grooved record carriers	G11B 3/58

B08B 9/00

Definition Statement

Replace: The existing Definition statement with the following updated text.

This place covers:

The cleaning of hollow objects by methods or apparatus specially adapted thereto, the objects being other than containers or pipes.

References

Delete: The entire Limiting references section.

Replace: The entire Informative references section with the following text.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Cleaning by sonic or ultrasonic vibrations	B08B 3/12
Cleaning by methods involving the use of air flow or gas flow	B08B 5/00
Cleaning by electrostatic means	B08B 6/00