

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 949

DATE: JANUARY 1, 2021

PROJECT RP0696

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols Deleted:	F24F	3/1603, 3/1607, 3/161, 2003/1614, 2003/1617, 2003/1621, 2003/1625, 2003/1628, 2003/1632, 2003/1635, 2003/1639, 2003/1642, 2003/1646, 2003/165, 2003/1653, 2003/1657, 3/166, 2003/1664, 2003/1667, 2003/1671, 2003/1675, 2003/1678, 2003/1682, 2003/1685, 2003/1689, 2003/1692, 2003/1696
	F24F	2007/003
Symbols New:	F24F	3/163, 3/167
	F24F	2007/0025, 7/003
	F24F	8/00, 8/10, 8/108, 8/117, 8/125, 8/133, 8/142, 8/15, 8/158, 8/167, 8/175, 8/183, 8/192, 8/194, 8/20, 8/22, 8/24, 8/26, 8/28, 8/30, 8/40, 8/50, 8/60, 8/70, 8/80, 8/90, 8/95, 8/96, 8/97, 8/98, 8/99
Titles Changed:	F24F	3/16
	F24F	7/00, 2007/005
	F24F	2012/008
Warnings New:	F24F	7/00, 2007/001, 2007/002, 2007/0025, 7/003, 2007/004, 2007/005
	F24F	8/00, 8/10, 8/108, 8/117, 8/125, 8/133, 8/142, 8/15, 8/175, 8/183, 8/90, 8/96, 8/97, 8/98, 8/99
Warnings Modified:	F24F	3/16
Notes Modified:	F24F	SUBCLASS
DEFINITIONS:		
Definitions New:	F24F	3/16, 3/163
	F24F	8/00, 8/10, 8/192
Definitions Modified:	F24F	SUBCLASS
	F24F	1/00
	F24F	7/00
	F24F	9/00

The following subclasses/groups are also impacted by this Notice of Changes (indicate subclasses/groups outside of the project scope, such as those listed in the CRL):

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A61G13/08, A61L, A61L2/00, A61L9/00, A61L9/16, A61L9/18, A61N1/00, B01D, B01D46/00, B01D2265/00, B01D2267/00, B01D2271/00, B01D2273/00, B01D2275/00, B01D2279/00, B01D2279/50, B01L1/00, B01L1/04, B03C3/38, B60H3/0007, B60H3/0071, B65B55/027, D01H11/00, E04B9/02, H05F3/00

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)
- 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)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS F24F - AIR-CONDITIONING; AIR-HUMIDIFICATION; VENTILATION; USE OF AIR CURRENTS FOR SCREENING (removing dirt or fumes from areas where they are produced B08B15/00; vertical ducts for carrying away waste gases from buildings E04F17/02; tops for chimneys or ventilating shafts, terminals for flues F23L17/02)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
U	F24F 3/12	1	characterised by the treatment of the air otherwise than by heating and cooling	
C	F24F 3/16	2	by purification, e.g. by filtering; by sterilisation; by ozonisation	F24F 3/16, F24F 8/00, F24F 8/20, F24F 8/22, F24F 8/24, F24F 8/26, F24F 8/28, F24F 8/30, F24F 8/40, F24F 8/50, F24F 8/60, F24F 8/70, F24F 8/80, F24F 8/95
D	F24F 3/1603	3	{by filtering (arrangements or mounting of filters F24F 13/28)}	<Administrative transfer to F24F 8/10>
D	F24F 3/1607	4	{Clean air work stations, i.e. selected areas within a space to which filtered air is passed (means providing sterile air at a surgical operation table or area A61G 13/108)}	<Administrative transfer to F24F 3/163>
D	F24F 3/161	4	{Clean rooms, i.e. enclosed spaces in which a uniform flow of filtered air is distributed (air distribution by perforated walls F24F 7/10; dust-free rooms or enclosures applicable solely to laboratory purposes B01L 1/04)}	<Administrative transfer to F24F 3/167>
D	F24F 2003/1614	4	{using a dry filtering element}	<Administrative transfer to F24F 8/108 INV>
D	F24F 2003/1617	4	{using wet filtering methods}	<Administrative transfer to F24F 8/117 INV>
D	F24F 2003/1621	4	{using chemical filtering methods}	<Administrative transfer to F24F 8/15 INV>
D	F24F 2003/1625	5	{using active carbon}	<Administrative transfer to F24F 8/158 INV>
D	F24F 2003/1628	5	{using catalytic reaction}	<Administrative transfer to F24F 8/167 INV>
N	F24F 3/163	3	Clean air work stations, i.e. selected areas within a space which filtered air is passed	

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
D	F24F 2003/1632	4	{using vortex}	<Administrative transfer to F24F 8/183 INV>
D	F24F 2003/1635	4	{using high voltage}	<Administrative transfer to F24F 8/194 INV>
D	F24F 2003/1639	4	{with filter cleaning }	<Administrative transfer to F24F 8/90 INV>
D	F24F 2003/1642	4	{of pollen, to avoid allergies }	<Administrative transfer to F24F 8/96 INV>
D	F24F 2003/1646	4	{of tobacco smoke }	<Administrative transfer to F24F 8/97 INV>
D	F24F 2003/165	4	{of ozone }	<Administrative transfer to F24F 8/98 INV>
D	F24F 2003/1653	4	{using biofilters, plants or microorganisms }	<Administrative transfer to F24F 8/175 INV>
D	F24F 2003/1657	4	{the air pollution of a street or a city }	<Administrative transfer to F24F 8/99 INV>
D	F24F 3/166	3	{using electric means, e.g. applying electrostatic field (using thermo-electric means F24F 5/0042)}	<Administrative transfer to F24F 8/192>
D	F24F 2003/1664	3	{by sterilisation }	<Administrative transfer to F24F 8/20 INV>
D	F24F 2003/1667	4	{using UV light }	<Administrative transfer to F24F 8/22 INV>
N	F24F 3/167	3	Clean rooms, i.e. enclosed spaces in which a uniform flow of filtered air is distributed (air distribution by perforated walls F24F 7/10)	
D	F24F 2003/1671	4	{using ozone }	<Administrative transfer to F24F 8/26 INV>
D	F24F 2003/1675	4	{using a sterilising medium }	<Administrative transfer to F24F 8/24 INV>
D	F24F 2003/1678	4	{to avoid the Legionella bacteria }	<Administrative transfer to F24F 8/28 INV>

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
D	F24F 2003/1682	3	{by ionisation}	<Administrative transfer to F24F 8/30 INV>
D	F24F 2003/1685	3	{by ozonisation}	<Administrative transfer to F24F 8/40 INV>
D	F24F 2003/1689	3	{by odorising}	<Administrative transfer to F24F 8/50 INV>
D	F24F 2003/1692	3	{by adding oxygen}	<Administrative transfer to F24F 8/60 INV>
D	F24F 2003/1696	3	{by removing radon}	<Administrative transfer to F24F 8/70 INV>
C	F24F 7/00	0	Ventilation	F24F 7/00, F24F 7/003
C	F24F 2007/001	1	{with exhausting air ducts}	F24F 2007/001, F24F 7/003
C	F24F 2007/002	2	{Junction box, e.g. for ducts from kitchen, toilet or bathroom}	F24F 2007/002, F24F 7/003
Q	F24F 2007/0025	1	{using vent ports in a wall}	F24F 2007/0025, F24F 7/003
D	F24F 2007/003	1	{using vent ports in a wall}	<Administrative transfer to F24F 2007/0025>
N	F24F 7/003	1	in combination with air cleaning	
C	F24F 2007/004	1	{Natural ventilation using convection}	F24F 2007/004, F24F 7/003
C	F24F 2007/005	1	{Cyclic ventilation, e.g. alternating air supply volume or reversing flow direction}	F24F 2007/005, F24F 7/003
N	F24F 8/00	0	Treatment, e.g. purification, of air supplied to human living or working spaces otherwise than by heating, cooling, humidifying or drying	
Q	F24F 8/10	1	by separation, e.g. by filtering	F24F 8/10 F24F 8/108 F24F 8/117 F24F 8/125 F24F 8/133 F24F 8/142 F24F 8/15 F24F 8/158 F24F 8/167 F24F 8/175 F24F 8/183

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<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>
				F24F 8/90 F24F 8/96 F24F 8/97 F24F 8/98 F24F 8/99
N	F24F 8/108	2	using dry filter elements	
Q	F24F 8/117	2	using wet filtering	F24F 8/117, F24F 8/125, F24F 8/133, F24F 8/142
N	F24F 8/125	3	using wet filter elements	
N	F24F 8/133	3	by direct contact with liquid, e.g. with sprayed liquid	
N	F24F 8/142	3	Treatment of used liquid, e.g. cleaning for recycling	
N	F24F 8/15	2	by chemical means	
N	F24F 8/158	3	using active carbon	
N	F24F 8/167	3	using catalytic reactions	
N	F24F 8/175	2	using biological materials, plants or microorganisms	
N	F24F 8/183	2	by centrifugal separation, e.g. using vortices	
N	F24F 8/192	2	by electrical means, e.g. by applying electrostatic fields or high voltages	
N	F24F 8/194	3	{by filtering using high voltage}	
N	F24F 8/20	1	by sterilisation	
N	F24F 8/22	2	using UV light	
N	F24F 8/24	2	using sterilising media	
N	F24F 8/26	3	using ozone	
N	F24F 8/28	2	specially adapted for combatting or avoiding Legionella bacteria	
N	F24F 8/30	1	by ionisation	
N	F24F 8/40	1	by ozonisation (for sterilisation F24F 8/26)	
N	F24F 8/50	1	by odourisation	
N	F24F 8/60	1	by adding oxygen	
N	F24F 8/70	1	by removing radon	
N	F24F 8/80	1	Self-contained air purifiers	
N	F24F 8/90	1	Cleaning of purification apparatus	
N	F24F 8/95	1	specially adapted for specific purposes	
N	F24F 8/96	2	for removing pollen	
N	F24F 8/97	2	for removing tobacco smoke	
N	F24F 8/98	2	for removing ozone	
N	F24F 8/99	2	for treating air sourced from urban areas, e.g. from streets	
M	F24F 2012/008	2	{cyclic routing supply and exhaust air}	

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*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 finalisation 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.

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B. New, Modified or Deleted Warning(s)

SUBCLASS F24F - AIR-CONDITIONING; AIR-HUMIDIFICATION; VENTILATION; USE OF AIR CURRENTS FOR SCREENING (removing dirt or fumes from areas where they are produced B08B15/00; vertical ducts for carrying away waste gases from buildings E04F17/02; tops for chimneys or ventilating shafts, terminals for flues F23L17/02

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	F24F3/16	Group F24F 3/16 is incomplete pending reclassification of documents from groups F24F 3/02, F24F 3/04, F24F 3/06, F24F 3/065, F24F 3/08, and F24F 3/10. All groups listed in this Warning should be considered in order to perform a complete search.	Group F24F 3/16 is impacted by reclassification into groups F24F 8/00, F24F 8/20, F24F 8/22, F24F 8/24, F24F 8/26, F24F 8/28, F24F 8/30, F24F 8/40, F24F 8/50, F24F 8/60, F24F 8/70, F24F 8/80, and F24F 8/95. All groups listed in this Warning should be considered in order to perform a complete search.
N	F24F 7/00		Group F24F 7/00 is impacted by reclassification into group F24F 7/003. Groups F24F 7/00 and F24F 7/003 should be considered in order to perform a complete search.
N	F24F 2007/001		Group F24F 2007/001 is impacted by reclassification into group F24F 7/003. Groups F24F 2007/001 and F24F 7/003 should be considered in order to perform a complete search.
N	F24F 2007/002		Group F24F 2007/002 is impacted by reclassification into group F24F 7/003. Groups F24F 2007/002 and F24F 7/003 should be considered in order to perform a complete search.
N	F24F 2007/0025		Group F24F 2007/0025 is impacted by reclassification into group F24F 7/003. Groups F24F 2007/0025 and F24F 7/003 should be considered in order to perform a complete search.
N	F24F 7/003		Group F24F 7/003 is incomplete pending reclassification of documents from groups F24F 7/00, F24F 2007/001, F24F 2007/002, F24F 2007/0025, F24F 2007/004, and F24F 2007/005. All groups listed in this Warning should be considered in order to perform a complete search.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	F24F 2007/004		Group F24F 2007/004 is impacted by reclassification into group F24F 7/003. Groups F24F 2007/004 and F24F 7/003 should be considered in order to perform a complete search.
N	F24F 2007/005		Group F24F 2007/005 is impacted by reclassification into group F24F 7/003. Groups F24F 2007/005 and F24F 7/003 should be considered in order to perform a complete search.
N	F24F 8/00		Groups F24F 8/00, F24F 8/20, F24F 8/22, F24F 8/24, F24F 8/26, F24F 8/28, F24F 8/30, F24F 8/40, F24F 8/50, F24F 8/60, F24F 8/70, F24F 8/80, and F24F 8/95 are incomplete pending reclassification of documents from group F24F 3/16. All groups listed in this Warning should be considered in order to perform a complete search.
N	F24F 8/10		Group F24F 8/10 is impacted by reclassification into groups F24F 8/108, F24F 8/117, F24F 8/125, F24F 8/133, F24F 8/142, F24F 8/15, F24F 8/158, F24F 8/167, F24F 8/175, F24F 8/183, F24F 8/90, F24F 8/96, F24F 8/97, F24F 8/98, and F24F 8/99. All groups listed in this Warning should be considered in order to perform a complete search.
N	F24F 8/108		Group F24F 8/108 is incomplete pending reclassification of documents from group F24F 8/10. Groups F24F 8/10 and F24F 8/108 should be considered in order to perform a complete search.
N	F24F 8/117		Group F24F 8/117 is incomplete pending reclassification of documents from group F24F 8/10. Group F24F 8/117 is also impacted by reclassification into groups F24F 8/125, F24F 8/133, and F24F 8/142. All groups listed in this Warning should be considered in order to perform a complete search.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	F24F 8/125		Group F24F 8/125 is incomplete pending reclassification of documents from groups F24F 8/10 and F24F 8/117. Groups F24F 8/10, F24F 8/117, and F24F 8/125 should be considered in order to perform a complete search.
N	F24F 8/133		Group F24F 8/133 is incomplete pending reclassification of documents from groups F24F 8/10 and F24F 8/117. Groups F24F 8/10, F24F 8/117, and F24F 8/133 should be considered in order to perform a complete search.
N	F24F 8/142		Group F24F 8/142 is incomplete pending reclassification of documents from groups F24F 8/10 and F24F 8/117. Groups F24F 8/10, F24F 8/117, and F24F 8/142 should be considered in order to perform a complete search.
N	F24F 8/15		Groups F24F 8/15 - F24F 8/167 are incomplete pending reclassification of documents from group F24F 8/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	F24F 8/175		Group F24F 8/175 is incomplete pending reclassification of documents from group F24F 8/10. Groups F24F 8/10 and F24F 8/175 should be considered in order to perform a complete search.
N	F24F 8/183		Group F24F 8/183 is incomplete pending reclassification of documents from group F24F 8/10. Groups F24F 8/10 and F24F 8/183 should be considered in order to perform a complete search.
N	F24F 8/90		Group F24F 8/90 is incomplete pending reclassification of documents from group F24F 8/10. Groups F24F 8/10 and F24F 8/90 should be considered in order to perform a complete search.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	F24F 8/96		Group F24F 8/96 is incomplete pending reclassification of documents from group F24F 8/10. Groups F24F 8/10 and F24F 8/96 should be considered in order to perform a complete search.
N	F24F 8/97		Group F24F 8/97 is incomplete pending reclassification of documents from group F24F 8/10. Groups F24F 8/10 and F24F 8/97 should be considered in order to perform a complete search.
N	F24F 8/98		Group F24F 8/98 is incomplete pending reclassification of documents from group F24F 8/10. Groups F24F 8/10 and F24F 8/98 should be considered in order to perform a complete search.
N	F24F 8/99		Group F24F 8/99 is incomplete pending reclassification of documents from group F24F 8/10. Groups F24F 8/10 and F24F 8/99 should be considered in order to perform a complete search.

*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.

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C. New, Modified or Deleted Note(s)

SUBCLASS F24F - AIR-CONDITIONING; AIR-HUMIDIFICATION; VENTILATION; USE OF AIR CURRENTS FOR SCREENING (removing dirt or fumes from areas where they are produced B08B15/00; vertical ducts for carrying away waste gases from buildings E04F17/02; tops for chimneys or ventilating shafts, terminals for flues F23L17/02

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	F24F	<p>1. In this subclass:</p> <ul style="list-style-type: none"> • air-humidification as auxiliary treatment in air-conditioning, i.e. in units wherein the air is also either cooled or heated, is covered by groups F24F1/00 or F24F3/14; • air-humidification per se, e.g. "room humidifiers", is covered by group F24F6/00. <p>2. In this subclass, the following terms or expressions are used with the meanings indicated:</p> <ul style="list-style-type: none"> • "air-conditioning" means the supply of air to or the treatment of air in rooms or spaces by means of cooling or a combination of cooling and a further kind of air treatment, e.g. humidification, heating or air purification; • "ventilation" means the supply of air to, or its extraction from, rooms or spaces, and systems for circulating air within rooms or spaces, but does not cover the mere treatment of air being supplied to, extracted from, or circulated within, rooms or spaces. <p>3. In this subclass, control or safety arrangements are classified in F24F11/00. In order to indicate the type of air-treatment system in which these arrangements are used, further classification may be made in main groups F24F1/00 - F24F9/00.</p>	<p>1. This subclass covers treatment, e.g. purification, of air supplied to human living or working spaces in air conditioning systems or in room units.</p> <p>2. In this subclass:</p> <ul style="list-style-type: none"> • air-humidification as auxiliary treatment in air-conditioning, i.e. in units wherein the air is also either cooled or heated, is covered by groups F24F1/00 or F24F3/14; • air-humidification per se, e.g. "room humidifiers", is covered by group F24F6/00. <p>3. In this subclass, the following terms or expressions are used with the meanings indicated:</p> <ul style="list-style-type: none"> • "air-conditioning" means the supply of air to or the treatment of air in rooms or spaces by means of cooling or a combination of cooling and a further kind of air treatment, e.g. humidification, heating or air purification; • "ventilation" means the supply of air to, or its extraction from, rooms or spaces, and systems for circulating air within rooms or spaces, but does not cover the mere treatment of air being supplied to, extracted from, or circulated within, rooms or spaces. <p>4. In this subclass, control or safety arrangements are classified in</p>

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<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
			group F24F 11/00. In order to indicate the type of air-treatment system in which these arrangements are used, further classification may be made in groups F24F 1/00-F24F 9/00.

*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.

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2. A. DEFINITIONS (new)

Insert: the following new Definitions.

F24F 3/16

References

Informative references

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

Ion sources	H01J 27/02, H01J 37/08
Treatment rooms or enclosures for medical purposes	A61G 10/00

F24F3/163

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:

Means providing sterile air at a surgical operation table or area	A61G 13/108
-------------------------------------------------------------------	-------------

F24F 8/00

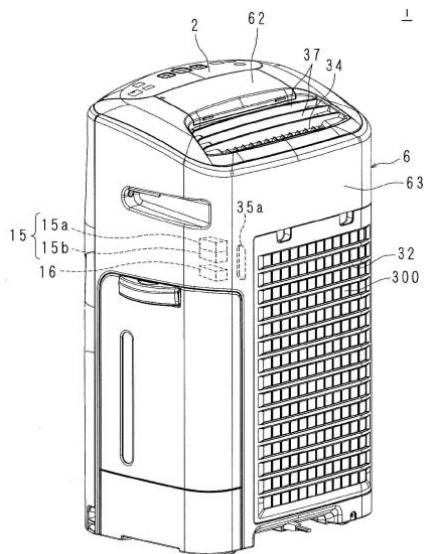
Definition statement

This place covers:

- Treatment, e.g. purification, of air supplied to human living or working spaces in air conditioning systems or in room units otherwise than by heating, cooling, humidifying or drying
- Self-contained air purifiers
- Details of air treatment apparatus

Illustrative examples of subject matter classified in this place:

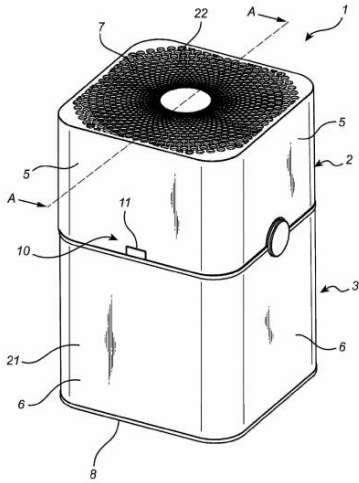
Air purifier



Air purifier device with coupling mechanism

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References

Informative references

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

Disinfection, sterilisation or deodorisation of air	A61L 9/00
Filter unit per se	B01D
Electric filter	B03C

F24F 8/10

References

Informative references

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

Arrangements or mounting of filters	F24F 13/28
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F24F 8/192

References

Informative references

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

Air-conditioning systems or apparatus characterised by using thermoelectric means	F24F 5/0042
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2. A. DEFINITIONS (modified)

F24F

Definition statement

Insert: the following new text at the end of the Definition statement.

Treatment, e.g. purification, of air supplied to human living or working spaces in air conditioning systems or in room units otherwise than by heating, cooling, humidifying or drying.

Self-contained air purifiers.

Relationships with other classification places

Replace: the first paragraph of the Relationships with other classification places with the following paragraph.

As regards air-conditioning, air-humidification, ventilation and treatment of air this subclass is an application-oriented place that covers methods or apparatus for these processes when specially adapted for rooms or spaces that are primarily intended as dwelling or working-spaces for human beings.

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F24F 1/00

Definition statement

This place covers:

Replace: the term “recive” with “receive” in the first bullet of the Definition statement.

- Air-conditioning units placed within a room for cooling the room, i.e. fan coil unit of a split unit. These indoor units can thereby receive primary air from a central station and/or recirculate the air within the room and/or supply outside air.

References

Informative references

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

Replace: the symbol “F24F3/1603” with “F24F8/10” in the Informative references table.

Filter units per se	F24F8/10
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F24F 7/00

Definition statement

This place covers:

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

Systems or apparatus for supplying air to rooms or exhausting air from rooms or circulating air within the rooms, e.g. by means of wall-ducts or systems using window or roof apertures.

F24F 9/00

References

Informative references

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

Replace: the symbol "F24F3/1607" with "F24F3/163" in the Informative references table.

Clean air workstation	F24F3/163
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3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	F24F 3/16	F24F 3/16, F24F 8/00, F24F 8/20, F24F 8/22, F24F 8/24, F24F 8/26, F24F 8/28, F24F 8/30, F24F 8/40, F24F 8/50, F24F 8/60, F24F 8/70, F24F 8/80, F24F 8/95
D	F24F 3/1603	<Administrative transfer to F24F 8/10>
D	F24F 3/1607	<Administrative transfer to F24F 3/163>
D	F24F 3/161	<Administrative transfer to F24F 3/167>
D	F24F 2003/1614	<Administrative transfer to F24F 8/108 INV>
D	F24F 2003/1617	<Administrative transfer to F24F 8/117 INV>
D	F24F 2003/1621	<Administrative transfer to F24F 8/15 INV>
D	F24F 2003/1625	<Administrative transfer to F24F 8/158 INV>
D	F24F 2003/1628	<Administrative transfer to F24F 8/167 INV>
D	F24F 2003/1632	<Administrative transfer to F24F 8/183 INV>
D	F24F 2003/1635	<Administrative transfer to F24F 8/194 INV>
D	F24F 2003/1639	<Administrative transfer to F24F 8/90 INV>
D	F24F 2003/1642	<Administrative transfer to F24F 8/96 INV>
D	F24F 2003/1646	<Administrative transfer to F24F 8/97 INV>
D	F24F 2003/165	<Administrative transfer to F24F 8/98 INV>
D	F24F 2003/1653	<Administrative transfer to F24F 8/175 INV>
D	F24F 2003/1657	<Administrative transfer to F24F 8/99 INV>
D	F24F 3/166	<Administrative transfer to F24F 8/192>
D	F24F 2003/1664	<Administrative transfer to F24F 8/20 INV>
D	F24F 2003/1667	<Administrative transfer to F24F 8/22 INV>
D	F24F 2003/1671	<Administrative transfer to F24F 8/26 INV>
D	F24F 2003/1675	<Administrative transfer to F24F 8/24 INV>
D	F24F 2003/1678	<Administrative transfer to F24F 8/28 INV>
D	F24F 2003/1682	<Administrative transfer to F24F 8/30 INV>
D	F24F 2003/1685	<Administrative transfer to F24F 8/40 INV>
D	F24F 2003/1689	<Administrative transfer to F24F 8/50 INV>
D	F24F 2003/1692	<Administrative transfer to F24F 8/60 INV>
D	F24F 2003/1696	<Administrative transfer to F24F 8/70 INV>
C	F24F 7/00	F24F 7/00, F24F 7/003
C	F24F 2007/001	F24F 2007/001, F24F 7/003
C	F24F 2007/002	F24F 2007/002, F24F 7/003
Q	F24F 2007/0025	F24F 2007/0025, F24F 7/003
D	F24F 2007/003	<Administrative transfer to F24F 2007/0025>
C	F24F 2007/004	F24F 2007/004, F24F 7/003
C	F24F 2007/005	F24F 2007/005, F24F 7/003
Q	F24F 8/10	F24F 8/10, F24F 8/108, F24F 8/117, F24F 8/125, F24F 8/133, F24F 8/142, F24F 8/15, F24F 8/158, F24F 8/167, F24F 8/175, F24F 8/183, F24F 8/90, F24F 8/96, F24F 8/97, F24F 8/98, F24F 8/99
Q	F24F 8/117	F24F 8/117, F24F 8/125, F24F 8/133, F24F 8/142

* 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; D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed.

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NOTES:

- Only C, D, F, and Q type entries are included in the table above.
- When multiple symbols are included in the “To” column, do not use ranges of symbols.
- 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 (“To”) symbol, however it is required to specify “<no transfer>” in the “To” column for such cases.
- RCL is not needed for finalisation projects.

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4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
F24F 3/1603		DELETE
F24F 3/1607		DELETE
F24F 3/161		DELETE
F24F 2003/1614		DELETE
F24F 2003/1617		DELETE
F24F 2003/1621		DELETE
F24F 2003/1625		DELETE
F24F 2003/1628		DELETE
F24F 3/163	F24F 3/163	NEW
F24F 2003/1632		DELETE
F24F 2003/1635		DELETE
F24F 2003/1639		DELETE
F24F 2003/1642		DELETE
F24F 2003/1646		DELETE
F24F 2003/165		DELETE
F24F 2003/1653		DELETE
F24F 2003/1657		DELETE
F24F 3/166		DELETE
F24F 2003/1664		DELETE
F24F 2003/1667		DELETE
F24F 3/167	F24F 3/167	NEW
F24F 2003/1671		DELETE
F24F 2003/1675		DELETE
F24F 2003/1678		DELETE
F24F 2003/1682		DELETE
F24F 2003/1685		DELETE
F24F 2003/1689		DELETE
F24F 2003/1692		DELETE
F24F 2003/1696		DELETE
F24F 2007/0025	F24F 7/00	NEW
F24F 2007/003		DELETE
F24F 7/003	F24F 7/003	NEW
F24F 8/00	F24F 8/00	NEW
F24F 8/10	F24F 8/10	NEW
F24F 8/108	F24F 8/108	NEW
F24F 8/117	F24F 8/117	NEW
F24F 8/125	F24F 8/125	NEW
F24F 8/133	F24F 8/133	NEW
F24F 8/142	F24F 8/142	NEW
F24F 8/15	F24F 8/15	NEW
F24F 8/158	F24F 8/158	NEW
F24F 8/167	F24F 8/167	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
F24F 8/175	F24F 8/175	NEW
F24F 8/183	F24F 8/183	NEW
F24F 8/192	F24F 8/192	NEW
F24F 8/194	F24F 8/192	NEW
F24F 8/20	F24F 8/20	NEW
F24F 8/22	F24F 8/22	NEW
F24F 8/24	F24F 8/24	NEW
F24F 8/26	F24F 8/26	NEW
F24F 8/28	F24F 8/28	NEW
F24F 8/30	F24F 8/30	NEW
F24F 8/40	F24F 8/40	NEW
F24F 8/50	F24F 8/50	NEW
F24F 8/60	F24F 8/60	NEW
F24F 8/70	F24F 8/70	NEW
F24F 8/80	F24F 8/80	NEW
F24F 8/90	F24F 8/90	NEW
F24F 8/95	F24F 8/95	NEW
F24F 8/96	F24F 8/96	NEW
F24F 8/97	F24F 8/97	NEW
F24F 8/98	F24F 8/98	NEW
F24F 8/99	F24F 8/99	NEW

* Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with “NEW.”
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with “UPDATED.”
- For a (D) CPC entry or indexing entry complete the Action column with “DELETE.” IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with “NEW”.
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with “CPCONLY” and complete the action column with “NEW”.

NOTES:

- F symbols are not included in the CICL table above.
- T and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.

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5. CROSS-REFERENCE LIST (CRL)

Scheme references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
A 61G13/108	F24F3/16	Replace symbol with “F24F3/16, F24F8/00”
A 61L9/00	F24F3/16	Replace symbol with “F24F3/16, F24F8/20”
B01D2279/50	F24F3/1603	Replace symbol with “F24F8/10”
B01L1/00	F24F3/161	Replace symbol with “F24F3/167”
B01L1/04	F24F3/161	Replace symbol with “F24F3/167”
D01H11/00	F24F3/16	Replace symbol with “F24F3/16, F24F8/10”

Definitions references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
A 61L	F24F3/16	Application-oriented references	Keep F24F3/16 and add “, F24F8/20” to reference text
A 61L2/00	F24F3/16	Application-oriented references	Keep F24F3/16 and add “, F24F8/20” to reference text
A 61L9/00	F24F3/16	Limiting references	Keep F24F3/16 and add “, F24F8/20” to reference text
A 61L9/16	F24F3/1603	Limiting references	Replace symbol with “F24F8/10”
A 61L9/18	F24F3/16	Limiting references	Keep F24F3/16 and add “, F24F8/20” to reference text
A 61N1/00	F24F3/166	Informative references	Replace symbol with “F24F8/192”
B01D	F24F3/16	Application-oriented references	Keep F24F3/16 and add “, F24F8/10” to reference text
B01D46/00	F24F3/1603	Informative references	Replace symbol with “F24F8/10”
B01D2265/00	F24F3/1603	Informative references	Replace symbol with “F24F8/10”
B01D2267/00	F24F3/1603	Informative references	Replace symbol with “F24F8/10”
B01D2271/00	F24F3/1603	Informative references	Replace symbol with “F24F8/10”

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action: New reference symbol; New text</u>
B01D2273/00	F24F3/1603	Informative references	Replace symbol with "F24F8/10"
B01D2275/00	F24F3/1603	Informative references	Replace symbol with "F24F8/10"
B01D2277/00	F24F3/1603	Informative references	Replace symbol with "F24F8/10"
B01D2279/00	F24F3/1603	Informative references	Replace symbol with "F24F8/10"
B01L1/00	F24F3/161	Limiting references	Replace symbol with "F24F3/167"
B01L1/04	F24F3/161	Limiting references	Replace symbol with "F24F3/167"
B03C3/38	F24F3/166	Informative references	Replace symbol with "F24F8/192"
B60H3/0007	F24F2003/1689	Informative references	Keep F24F 3/12 and replace " , F24F3/18, F24F 2003/1689" with " , F24F 8/00"
B60H3/0071	F24F3/166	Informative references	Replace symbol with "F24F8/192"
B60H3/0071	F24F2003/1664	Informative references	Replace symbol with "F24F8/22"
B60H3/0071	F24F2003/1682	Informative references	Replace symbol with "F24F8/30"
B60H3/0071	F24F2003/1689	Informative references	Replace symbol with "F24F8/50"
B65B55/027	F24F3/161	Informative references	Replace symbol with "F24F3/167"
E04B9/02	F24F3/161	Informative references	Replace symbol with "F24F3/167"
H05F3/00	F24F3/166	Limiting references	Replace symbol with "F24F8/192"

NOTES:

- The CRL tables above are used for changes to locations **outside** of the project scope. Changes to references in scheme titles or definitions **inside** the project scope will be reflected in the "scheme change" template or one of the "definition" templates.
- In addition to other changes proposed in the tables above, in the column titled "Referenced subclass or group to be changed," **referenced** D symbols should indicate an action of "delete" or should indicate a replacement symbol and **referenced** F symbols should indicate a replacement symbol.
- When a reference is deleted, text related to that reference will also be deleted unless other references or a range of references associated with the same text remain.