

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1340

DATE: AUGUST 1, 2022

PROJECT MP10327

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:	F24F	3/001, 3/0444, 3/0525, 3/0527
	F24F	5/0007, 5/0042, 5/0075, 5/0085
	F24F	6/02, 6/043
	F24F	7/04
	F24F	13/0227, 13/04, 13/22, 13/24
Warnings Deleted:	F24F	Subclass
DEFINITIONS:		
Definitions New:	F24F	3/001, 3/0444, 3/0525
	F24F	5/0042, 5/0075, 5/0085
	F24F	6/02, 6/043
	F24F	8/70, 8/133
	F24F	13/0227, 13/22, 13/24
Definitions Modified:	F24F	13/00, 13/04

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)
- 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 B08B 15/00; vertical ducts for carrying away waste gases from buildings E04F 17/02; tops for chimneys or ventilating shafts, terminals for flues F23L 17/02)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g.</u> <u>0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred</u> <u>to#</u>
M	F24F 3/001	1	{in which the air treatment in the central station takes place by means of a heat-pump or by means of a reversible cycle (reversible cycle for humidifying and drying air F24F3/147)}	
M	F24F 3/0444	3	{in which two airstreams are conducted from the central station via independent conduits to the space to be treated, of which one has a constant volume and a season-adapted temperature, while the other one is always cold and varies in volume}	
M	F24F 3/0525	4	{in which the air treated in the central station is reheated}	
M	F24F 3/0527	4	{in which treated air having differing temperatures is conducted through independent conduits from the central station to various spaces to be treated, i.e. so-called "multi-Zone" systems (F24F3/0525 takes precedence)}	
M	F24F 5/0007	1	{cooling apparatus specially adapted for use in air-conditioning (F24F5/0046 takes precedence)}	
M	F24F 5/0042	1	{characterised by the application of thermo-electric units or the Peltier effect}	
M	F24F 5/0075	1	{Systems using thermal walls, e.g. double window}	
M	F24F 5/0085	1	{Systems using a compressed air circuit}	
M	F24F 6/02	1	by evaporation of water in the air	
M	F24F 6/043	3	{with self-sucking action, e.g. wicks}	

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M	F24F 7/04	1	with ducting systems {, e.g. by double walls; with natural circulation (F24F7/02 takes precedence)}	
M	F24F 13/0227	2	{using parts of the building, e.g. air ducts inside the floor, walls or ceiling of a building}	
M	F24F 13/04	2	Air-mixing units (F24F13/06 takes precedence)	
M	F24F 13/22	1	Means for preventing condensation or evacuating condensate	
M	F24F 13/24	1	Means for preventing or suppressing noise	

*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>.

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- 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.

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

SUBCLASS F24F - AIR-CONDITIONING; AIR-HUMIDIFICATION; VENTILATION; USE OF AIR CURRENTS FOR SCREENING (removing dirt or fumes from areas where they are produced B08B 15/00; vertical ducts for carrying away waste gases from buildings E04F 17/02; tops for chimneys or ventilating shafts, terminals for flues F23L 17/02)

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning</u>
D	F24F	1. 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.	<u>Delete</u> the entire Warning.

*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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2. A. DEFINITIONS (new)

Insert: The following new Definitions.

F24F 3/001

References

Limiting References

This place does not cover:

Reversible cycle for humidifying and drying air	F24F 3/147
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Informative references

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

Heat pumps	F25B 30/00
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F24F 3/0444

Definition statement

This place covers:

Systems in which two airstreams are conducted from the central station via independent conduits to the space to be treated, of which one has a constant volume and a season adapted temperature to compensate for the fluctuating heat transfer losses of the building, while the other varies in volume and is always cold in order to compensate for the interior fluctuations and variable solar heating effects. These so-called "Dual Conduit Systems" are similar to high-pressure air-water systems.

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F24F 3/0525

Definition statement

This place covers:

Reheating may take place near the central station upon arrival, in the space to be treated, in a branch pipe to zone in a multi-zone system or in the warm pipe in a system having separate supply conduits for warm and cold air.

F24F 5/0042

References

Informative references

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

Refrigerators and cooling systems using thermo-electric units or the Peltier effect	F25B 21/02
Cooling arrangements for semi-conductors using the Peltier effect	H01L 23/38
Thermobatteries or thermogenerators	H01L 35/00

F24F 5/0075

References

Informative references

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

Double windows per se	E06B
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F24F 5/0085**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:

Arrangements or adaptations of heating, cooling, ventilating or other air-treating devices specially for passengers or goods in spaces of vehicles	B60H
Arrangements or adaptations of air-treatment apparatus for aircraft crew or passenger, or freight space	B64D 13/00

F24F 6/02**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:

Humidifiers specially adapted for radiators	F24D 19/008
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F24F 6/043**References****Informative references**

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

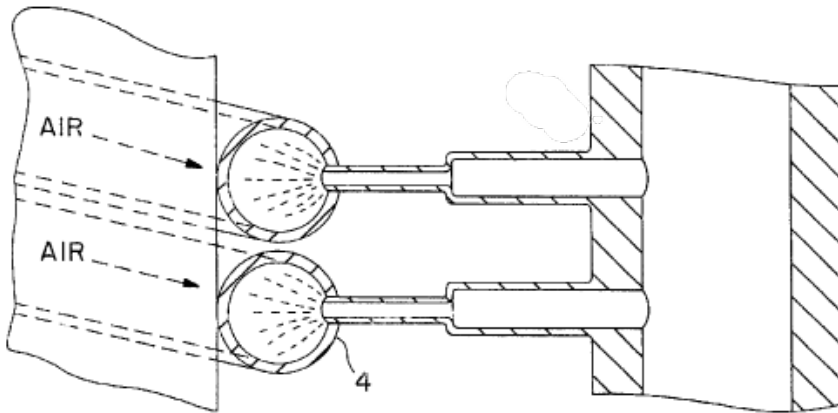
Humidifiers for radiators	F24D 19/008
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F24F 8/133

Definition statement

This place covers:

Removal of particles from the treated air by direct contact with a liquid, e.g. by spraying liquid into a stream of air or bubbling gas through a liquid.



References

Informative references

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

Removal of particles through use of a filter element or structure that is wetted	F24F 8/125
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F24F 8/70

Definition statement

This place covers:

Reducing of radon concentration in living or working space for humans or spaces associated therewith, e.g. sub-basements.

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F24F 13/0227

References

Informative references

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

Air ducts or channels of buildings	E04F 17/04
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F24F 13/22

References

Informative references

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

For refrigerators or cold rooms	F25D 21/14
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F24F 13/24

References

Informative references

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

Air supply, or exhaust, through perforated wall, floor or ceiling	F24F 7/10
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2. A. DEFINITIONS (modified)

Insert: The following modified Definitions.

F24F 13/00

Definition statement

Replace: The fourth and fifth paragraphs of text within the Definition statement so that they read as follows.

Arrangement for air-circulation by means of air-induction (F24F 13/26).

Arrangement for mounting of filter (F24F 13/28), of heat exchanger (F24F 13/30).

References

Delete: The entire Limiting references section.

Informative references

Insert: The following new row into the Informative references table.

Ventilating nozzles for vehicles	B60H 1/34
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F24F 13/04

References

Limiting references

Delete: The following row from the Limiting references table.

Room units for the mixing of pre-treated primary air with recirculated or room air	F24F 1/00
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Informative references

Insert: The following new row into the Informative references table.

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Indoor units for air-conditioning characterised by introduction of outside air to the room	F24F 1/0035
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