

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 483

DATE: JANUARY 1, 2018

PROJECT RP0497

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:	F25C	1/225
	F25C	5/002, 5/005, 5/007, 5/16
Symbols New:	F25C	1/25
	F25C	5/20, 5/22, 5/24
Titles Changed:	F25C	SUBCLASS
	F25C	1/00, 1/02, 1/045, 1/14, 1/142, 1/145, 1/147, 1/22, 1/243, 1/246
	F25C	3/00, 3/02, 3/04
	F25C	5/00, 5/02, 5/06, 5/14, 5/182, 5/185, 5/187
	F25C	2300/00
	F25C	2301/00, 2301/002
	F25C	2303/00
	F25C	2305/00, 2305/022
	F25C	2400/00
Note Modified:	F25C	subclass
DEFINITIONS:		
Definition Deleted:	F25C	5/005
Definitions New:	F25C	1/24
	F25C	5/00, 5/18, 5/185, 5/22, 5/24
Definitions Modified:	F25C	SUBCLASS
	F25C	1/00, 1/10
	F25C	3/00, 3/02, 3/04

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):

A47G, F25D

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)

CPC NOTICE OF CHANGES 483

DATE: JANUARY 1, 2018

PROJECT RP0497

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)

CPC NOTICE OF CHANGES 483

DATE: JANUARY 1, 2018

PROJECT RP0497

1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS F25C - PRODUCTION, WORKING, STORING OR DISTRIBUTION OF ICE (frozen sweets, including ice-cream, their production A23G9/00; concentrating solutions by removing frozen solvents B01D9/04; purification of water by freezing C02F1/22; refrigeration machines, plants or systems F25B; solidification of gases or gaseous mixtures F25J; freeze drying F26B)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	F25C	subclass	PRODUCING, WORKING OR HANDLING ICE	
M	F25C 1/00	0	Producing ice (F25C 3/00 takes precedence)	
M	F25C 1/02	1	Producing natural ice, i.e. without refrigeration	
M	F25C 1/045	2	with the open end pointing downwards	
M	F25C 1/14	2	to form thin sheets which are removed by scraping or wedging, e.g. in the form of flakes	
M	F25C 1/142	3	from the outer walls of cooled bodies	
M	F25C 1/145	3	from the inner walls of cooled bodies	
M	F25C 1/147	4	by using augers	
M	F25C 1/22	1	Construction of moulds; Filling devices for moulds	
D	F25C 1/225	2	{Filling devices for moulds}	<administrative transfer to F25C1/25>
M	F25C 1/243	3	Moulds made of plastics e.g. silicone	
M	F25C 1/246	3	Moulds with separate grid structure	
N	F25C 1/25	2	Filling devices for moulds	
M	F25C 3/00	0	Processes or apparatus specially adapted for producing ice or snow for winter sports or similar recreational purposes, e.g. for sporting installations; Producing artificial snow	
M	F25C 3/02	1	for ice rinks	
M	F25C 3/04	1	for sledging or ski trails; Producing artificial snow	
E	F25C 5/00	0	Working or handling ice (F25C 3/00 takes precedence)	
D	F25C5/002	1	{Distributing ice}	<administrative transfer to F25C5/20>
D	F25C5/005	2	{particularly adapted for household refrigerators}	<administrative transfer to F25C5/22>
D	F25C5/007	2	{for storing bins (ice bins in general F25C5/182)}	<administrative transfer to F25C5/24>

CPC NOTICE OF CHANGES 483

DATE: JANUARY 1, 2018

PROJECT RP0497

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
M	F25C 5/02	1	Apparatus for disintegrating, removing or harvesting ice	
M	F25C 5/06	3	by deforming bodies with which the ice is in contact, e.g. using inflatable members	
M	F25C 5/14	1	Apparatus for shaping or finishing ice pieces, e.g. ice presses	
D	F25C 5/16	1	Tools or devices for ice handling not covered by any other subclass	<administrative transfer to F25C 5/00>
M	F25C 5/182	2	Ice bins therefor	
M	F25C 5/185	3	with freezing trays	
M	F25C 5/187	3	with ice level sensing means	
N	F25C 5/20	1	Distributing ice	
N	F25C 5/22	2	{particularly adapted for household refrigerators}	
N	F25C 5/24	2	{for storing bins (ice bins F25C5/182)}	
M	F25C2300/00	0	Special arrangements or features for producing, working or handling ice	
M	F25C2301/00	0	Special arrangements or features for producing ice	
M	F25C2301/002	1	Producing ice slurries	
M	F25C2303/00	0	Special arrangements or features for producing ice or snow for winter sports or similar recreational purposes, e.g. for sporting installations; Special arrangements or features for producing artificial snow	
M	F25C2305/00	0	Special arrangements or features for working or handling ice	
M	F25C2305/022	1	Harvesting ice including rotating or tilting or pivoting of a mould or tray	
M	F25C2400/00	0	Auxiliary features or devices for producing, working or handling ice	

*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; E= 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).

CPC NOTICE OF CHANGES 483

DATE: JANUARY 1, 2018

PROJECT RP0497

- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. 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 except “D” which requires only a symbol.
- #“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>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

CPC NOTICE OF CHANGES 483

DATE: JANUARY 1, 2018

PROJECT RP0497

C. New, Modified or Deleted Note(s)

SUBCLASS F25C - PRODUCTION, WORKING, STORING OR DISTRIBUTION OF ICE (frozen sweets, including ice-cream, their production A23G9/00; concentrating solutions by removing frozen solvents B01D9/04; purification of water by freezing C02F1/22; refrigeration machines, plants or systems F25B; solidification of gases or gaseous mixtures F25J; freeze drying F26B)

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	F25C	Within the subclass, the term "ice" means any frozen liquid and is to be understood as also covering frozen semi-liquids or pasty substances.	In this subclass, the following term is used with the meaning indicated: <ul style="list-style-type: none"> "ice" means any frozen liquid and also covers frozen semiliquids or pasty substances.

*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, 2018

PROJECT RP0497

2. A. DEFINITIONS (new)

Create the following new Definition:

F25C1/24

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:

Ice bins combined with freezing trays	F25C5/185
---------------------------------------	-----------

Create the following new Definition:

F25C 5/00

References

Limiting references

This place does not cover:

Methods or apparatus specially adapted for the production of ice or snow for winter sports or similar recreational purposes, e.g. for sporting installations; Production of artificial snow	F25C3/00
---	----------

DATE: JANUARY 1, 2018

PROJECT RP0497

Create the following new Definition:

F25C 5/18

References

Informative references

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

Cooling bags for medical or therapeutic treatment of the human body, e.g. ice-bags	A61F7/10
Devices using ice, e.g. ice-boxes	F25D3/02
Containers, packaging elements or packages specially adapted for ice-cream	B65D85/78

Create the following new Definition:

F25C 5/185

References

Informative references

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

Construction of moulds for refrigerators, e.g. freezing trays	F25C 1/24
---	---------------------------

DATE: JANUARY 1, 2018

PROJECT RP0497

Create the following new Definition:

F25C 5/22

Special rules of classification

When emphasis is put on water dispenser classify in [F25D 23/126](#) and [F25C 2400/10](#).

Create the following new Definition:

F25C 5/24

References

Limiting references

This place does not cover:

ice bins	F25C 5/182
----------	----------------------------

DATE: JANUARY 1, 2018

PROJECT RP0497

2. A. DEFINITIONS (modified)

F25C

Delete the Definition statement.

References:

Delete the Limiting references section.

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:

Frozen sweets, including ice-cream, their production	A23G 9/00
--	---------------------------

Informative references

Insert the following new Informative references section:

Concentrating solutions by removing frozen solvents	B01D 9/04
Purification of water by freezing	C02F 1/22
Refrigeration machines, plants, or systems	F25B

DATE: JANUARY 1, 2018

PROJECT RP0497

Refrigerators; cold rooms; ice-boxes; cooling or freezing apparatus	F25D
Solidification of gases or gaseous mixtures	F25J
Freeze-drying	F26B

Insert the following new Glossary of terms:

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Ice	Any frozen liquid and also covers frozen semi-liquids or pasty substances
-----	---

CPC NOTICE OF CHANGES 483

DATE: JANUARY 1, 2018

PROJECT RP0497

2. B. DEFINITIONS QUICK FIX

<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
F25C1/00	Limiting references	Production of ice or snow F25C3/00	<u>Replace with:</u> Methods or apparatus specially adapted for producing ice or snow for winter sports or similar recreational purposes, e.g. for sporting installations; Producing artificial snow F25C 3/00
F25C1/10	Limiting references	By immersing freezing chambers or plates into water F25C 1/08	<u>Replace with:</u> Producing ice by immersing freezing chambers or plates into water F25C 1/08
F25C3/00	Limiting references	Limiting references <i>This place does not cover:</i> Shape of rinks or trails A63C 19/10 Foundations or pavings for artificial surfaces for outdoor or indoor practice of snow or ice sports E01C 13/10 Working on surfaces of snow or ice in order to make them suitable for traffic or sporting purposes E01H 4/00	<u>Delete</u> the entire Limiting references section and table.
F25C3/00	Informative references	Spraying apparatus for discharge of liquids or other fluent materials from two or more sources B05B 7/00 Simulating ice or snow C09K 3/24	<u>Replace with:</u> Spraying apparatus for discharge of liquids or other fluent materials from two or more sources B05B 7/00 Simulating ice or snow C09K 3/24 Foundations or pavings for artificial surfaces for outdoor or indoor practice of snow or ice sports E01C 13/10 Working on surfaces of snow or ice in order to make them suitable for traffic or sporting purposes E01H 4/00
F25C3/02	Informative references	Shape of rinks or trails A23C 19/10	

CPC NOTICE OF CHANGES 483

DATE: JANUARY 1, 2018

PROJECT RP0497

		Construction of rinks or trails E01C	Delete in the first row the following words: or trails Delete in the second row the following words: or trails
F25C3/04	Limiting references	Limiting references <i>This place does not cover:</i> Shape of trails A63C 19/10 Spraying apparatus for discharge of liquids or other fluent materials from two or more sources B05B 7/00 Simulating ice or snow C09K 3/24 Construction of trails E01C	Delete the entire Limiting references section and table.
F25C3/04	Informative references	Special arrangements or features of snow making F25C 2303/00	Add to existing table: Shape of rinks A63C 19/10 Spraying apparatus for discharge of liquids or other fluent materials from two or more sources B05B 7/00 Simulating ice or snow C09K 3/24 Construction of rinks E01C 13/10
F25C5/005		F25C5/005	Delete the entire definition.

NOTES:

- The table above is used for corrections or modifications to existing definitions, e.g. delete an entire definition or part thereof; propose new wording or modify wording of a section, change the symbol the definition is associated with, change or delete a reference symbol, etc.
- Do not delete (F) symbol definitions.

CPC NOTICE OF CHANGES 483

DATE: JANUARY 1, 2018

PROJECT RP0497

3. REVISION CONCORDANCE LIST (RCL)

<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	F25C 1/225	<administrative transfer to F25C 1/25>
D	F25C 5/002	<administrative transfer to F25C 5/20>
D	F25C 5/005	<administrative transfer to F25C 5/22>
D	F25C 5/007	<administrative transfer to F25C 5/24>
D	F25C 5/16	<administrative transfer to F25C 5/00>

* 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.

NOTES:

- Only C, D, F and Q type entries are included in the table above.
- When multiple symbols are included in the “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>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

CPC NOTICE OF CHANGES 483

DATE: JANUARY 1, 2018

PROJECT RP0497

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
F25C 1/045	F25C 1/045	Updated
F25C 1/142	F25C 1/142	Updated
F25C 1/145	F25C 1/145	Updated
F25C 1/147	F25C 1/147	Updated
F25C 1/225		Delete
F25C 1/243	F25C 1/243	Updated
F25C 1/246	F25C 1/246	Updated
F25C 1/25	F25C 1/25	New
F25C 5/002		Delete
F25C 5/005		Delete
F25C 5/007		Delete
F25C 5/16		Delete
F25C 5/182	F25C 5/182	Updated
F25C 5/185	F25C 5/185	Updated
F25C 5/187	F25C 5/187	Updated
F25C 5/20	F25C 5/20	New
F25C 5/22	F25C 5/20	New
F25C 5/24	F25C 5/20	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.
- E and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.

CPC NOTICE OF CHANGES 483

DATE: JANUARY 1, 2018

PROJECT RP0497

5. CROSS-REFERENCE LIST (CRL)

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>
A47G 19/32	F25C 5/002	Informative references	F25C 5/20
F25D 23/126	F25C 5/005	Informative references	F25C 5/22
F25D 23/126	F25C 5/005	Special rules of classification	F25C 5/22

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.