EUROPEAN PATENT OFFICE U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 954

DATE: JANUARY 1, 2021

PROJECT RP0693

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

Action	Subclass	Group(s)
Action	Suiciass	<u>Groups</u>
SCHEME:		
Symbols Deleted:	F25B	41/003, 41/02, 41/04, 41/043, 41/046,
		41/06, 41/062, 41/065, 41/067
	F25B	2341/061, 2341/065, 2341/0651,
		2341/0652, 2341/0653, 2341/066,
		2341/0661, 2341/0662, 2341/0671
Symbols New:	F25B	41/10, 41/20, 41/22, 41/24, 41/26, 41/28,
		41/30, 41/31, 41/315, 41/32, 41/325, 41/33,
		41/335, 41/34, 41/345, 41/347, 41/35,
		41/355, 41/36, 41/37, 41/375, 41/38,
		41/385, 41/39, 41/40, 41/42, 41/45, 41/48
Titles Changed:	F25B	41/00
Warnings New:	F25B	41/20, 41/22, 41/24, 41/26, 41/28, 41/30,
		41/31, 41/32, 41/325, 41/33, 41/34, 41/36,
		41/37, 41/375, 41/38, 41/385, 41/39, 41/40,
		41/42
DEFINITIONS:		
Definitions Deleted:	F25B	41/003, 41/062, 41/067
(no frozen (F) symbol definitions should		
be deleted)		
Definitions New:	F25B	41/31, 41/37, 41/40

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): F16K and B60H

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

1. CI	ASSIF	ICATION SCHEME CHANGES
	\boxtimes	A. New, Modified or Deleted Group(s)
	\boxtimes	B. New, Modified or Deleted Warning(s)
		C. New, Modified or Deleted Note(s)
		D. New, Modified or Deleted Guidance Heading(s)
2. DI	EFINIT	IONS
	\boxtimes	A. New or Modified Definitions (Full definition template

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

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

$SUBCLASS\ F25B\ - Fluid-circulation\ arrangements, e.g.\ for\ transferring\ liquid\ from\ evaporator\ to\ boiler\ (pumps\ per\ se, sealings\ therefor\ F04)$

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1,	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
M	F25B 41/00	0	Fluid-circulation arrangements	
D	F25B 41/003	1	{fluid line arrangements}	<administrative transfer to F25B 41/40></administrative
U	F25B 41/006	1	{optical fluid control arrangements}	
D	F25B 41/02	1	using electro-osmosis	<administrative transfer to F25B 41/10></administrative
D	F25B 41/04	1	Disposition of valves (valves perse F16K)	<administrative transfer to F25B 41/20></administrative
D	F25B 41/043	2	{in the circuit between evaporator and compressor}	<administrative transfer to F25B 41/22></administrative
D	F25B 41/046	2	{of fluid flow reversing valves}	<administrative transfer to F25B 41/26></administrative
D	F25B 41/06	1	Flow restrictors, e.g. capillary tubes; Disposition thereof	<administrative transfer to F25B 41/30></administrative
D	F25B 41/062	2	{Expansion valves (regulating valves <u>per se</u> G05D)}	<administrative transfer to F25B 41/31></administrative
D	F25B 41/065	3	{Float control valves}	<administrative transfer to F25B 41/315></administrative
D	F25B 41/067	2	{capillary tubes}	<administrative transfer to F25B 41/37></administrative
N	F25B 41/10	1	using electro-osmosis	
Q	F25B 41/20	1	Disposition of valves, e.g. of on-off valves or flow control valves (expansion valves F25B 41/31)	F25B 41/20, F25B 41/24, F25B41/28
Q	F25B 41/22	2	between evaporator and compressor	F25B 41/22, F25B 41/28
N	F25B 41/24	2	Arrangement of shut-off valves for disconnecting a part of the refrigerant cycle, e.g. an outdoor part	

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<u>Type</u> *	<u>Symbol</u>	<u>Indent</u> <u>Level</u>	<u>Title</u> <u>"CPC only" text should normally be</u>	<u>Transferred to[#]</u>
		<u>Number</u>	enclosed in {curly brackets}**	
		of dots		
		(e.g. 0, 1,		
Q	F25B 41/26	<u>2)</u> 2	of fluid flow reversing valves	F25B 41/26, F25B
			_	41/28 41/20, F23B
N	F25B 41/28	2	specially adapted for sorption cycles	
Q	F25B 41/30	1	Expansion means; Dispositions thereof	F25B 41/30, F25B
				41/38, F25B 41/385, F25B 41/39
Q	F25B 41/31	2	Expansion valves	F25B 41/31, F25B
				41/32, F25B 41/325,
				F25B 41/33, F25B
				41/335, F25B 41/34,
				F25B 41/345, F25B 41/347, F25B 41/35,
				F25B 41/355, F25B
				41/36
N	F25B 41/315	3	actuated by floats	11/30
N	F25B 41/32	3	having flow rate limiting means other than the	
			valve member, e.g. having bypass orifices in	
			the valve body	
N	F25B 41/325	3	having two or more valve members	
N	F25B 41/33	3	with the valve member being actuated by the	
			fluid pressure, e.g. by the pressure of the	
	7257 44 4225		refrigerant	
N	F25B 41/335	4	via diaphragms	
N	F25B 41/34	3	with the valve member being actuated by	
N	F25B 41/345	4	electric means, e.g. by piezo-electric actuators by solenoids	
N	F25B 41/345 F25B 41/347	5	{ with the valve member being opened and	
11	1 2 3 D 4 1 / 3 4 /	3	closed cyclically, e.g. with pulse width	
			modulation}	
N	F25B 41/35	4	by rotary motors, e.g. by stepping motors	
N	F25B 41/355	4	by electric heating of bimetal elements, shape	
			memory elements or heat expanding elements	
N	F25B 41/36	3	with the valve member being actuated by	
			bimetal elements or shape-memory elements	
			influenced by fluids, e.g. by the refrigerant	
Q	F25B 41/37	2	Capillary tubes	F25B 41/37, F25B 41/375
N	F25B 41/375	3	characterised by a variable restriction, e.g.	
	F25D 11/20		restrictors made of shape memory alloy	
N	F25B 41/38	2	specially adapted for reversible cycles, e.g.	
N.T.	F25D 41/205		bidirectional expansion restrictors	
N	F25B 41/385	2	Dispositions with two or more expansion	
			means arranged in parallel on a refrigerant line leading to the same evaporator	
		L	reading to the same evaporator	

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Tune*	Cambol	Indont	Title	Transformed to#
Type*	<u>Symbol</u>	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
N	F25B 41/39	<u>2)</u> 2	Dispositions with two or more expansion means arranged in series, i.e. multi-stage expansion, on a refrigerant line leading to the same evaporator	
Q	F25B 41/40	1	Fluid line arrangements	F25B 41/40, F25B41/42, F25B 41/45, F25B41/48
N	F25B 41/42	2	Arrangements for diverging or converging flows, e.g. branch lines or junctions	
N	F25B 41/45	3	for flow control on the upstream side of the diverging point, e.g. with spiral structure for generating turbulence	
N	F25B 41/48	3	for flow path resistance control on the downs treams ide of the diverging point, e.g. by an orifice	
U	F25B2341/06	1	Details of flow restrictors or expansion valves	
D	F25B2341/061	2	Bidirectional expansion restrictors	<administrative transfer to F25B 41/38 INV></administrative
U	F25B2341/062	2	Capillary expansion valves	
U	F25B2341/063	2	Feed forward expansion valves	
U	F25B2341/064	2	Superheater expansion valves	
D	F25B2341/065	2	Electric expansion valves	<administrative transfer to F25B 41/34 INV></administrative
D	F25B2341/0651	3	actuated by electric heating means, e.g. a heated bimetallic element	<administrative transfer to F25B 41/355 INV></administrative
D	F25B2341/0652	3	being opened and closed cyclically, e.g. with pulse width modulation	<administrative transfer to F25B 41/347 INV></administrative
D	F25B2341/0653	3	actuated by an electric motor	<administrative transfer to F25B 41/35 INV></administrative
D	F25B2341/066	2	Refrigeration circuits using more than one expansion valve	<administrative transfer to F25B 41/385 INV and F25B 41/39 INV simultaneously></administrative
D	F25B2341/0661	3	arranged in parallel	<administrative transfer to F25B 41/385 INV></administrative
D	F25B2341/0662	3	arranged in series	<administrative transfer to F25B 41/39 INV></administrative

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Type*	<u>Symbol</u>	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text shouldnormally be enclosed in {curly brackets}**	<u>Transferred to</u> #
T	F25B2341/067	2	Expansion valves having a pilot valve	
D	F25B2341/0671	3	the pilot valve is electrically actuated	<administrative transfer to F25B 41/34 INV and F25B 2341/067 simultaneously></administrative
U	F25B2341/068	2	Expansion valves combined with a sensor	

*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 = existing 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.

- **No {curly brackets} are used for titles in CPC only <u>subclasses</u>, 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} <u>are</u> 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 <u>must</u> 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)

 $SUBCLASS\ F25B\ -\ Fluid-circulation\ arrangements, e.g.\ for\ transferring\ liquid\ from\ evaporator\ to\ boiler\ (pumps\ per\ se, sealings\ therefor\ F04)$

Type*	Location Location	Old Warning	New/Modified Warning
N	F25B 41/20		Group F25B 41/20 is impacted by reclassification into groups F25B 41/24 and F25B 41/28. Groups F25B 41/20, F25B 41/24, and F25B 41/28 should be considered in order to perform a complete search.
N	F25B 41/22		Group F25B 41/22 is impacted by reclassification into group F25B 41/28. Groups F25B 41/22 and F25B 41/28 should be considered in order to performa complete search.
N	F25B 41/24		Group F25B 41/24 is incomplete pending reclassification of documents from group F25B 41/20. Groups F25B 41/20 and F25B 41/24 should be considered in order to perform a complete search.
N	F25B 41/26		Group F25B 41/26 is impacted by reclassification into group F25B 41/28. Groups F25B 41/26 and F25B 41/28 should be considered in order to perform a complete search.
N	F25B 41/28		Group F25B 41/28 is incomplete pending reclassification of documents from groups F25B 41/20, F25B 41/22 and F25B 41/26. Groups F25B 41/20, F25B 41/22, F25B 41/26 and F25B 41/28 should be considered in order to perform a complete search.
N	F25B 41/30		Group F25B 41/30 is impacted by reclassification into groups F25B 41/38, F25B 41/385, and F25B 41/39. All groups listed in this Warning should be considered in order to perform a complete search.
N	F25B 41/31		Group F25B 41/31 is impacted by reclassification into groups F25B 41/32, F25B 41/325, F25B 41/33, F25B 41/335, F25B 41/34, F25B 41/345, F25B 41/347, F25B 41/35, F25B 41/355, and F25B 41/36. All groups listed in this Warning should be considered in order to perform a complete search.
N	F25B 41/32		Group F25B 41/32 is incomplete pending reclassification of documents from group F25B 41/31. Groups F25B 41/31 and F25B 41/32 should be considered in order to perform a complete search.
N	F25B 41/325		Group F25B 41/325 is incomplete pending reclassification of documents from group F25B 41/31. Groups F25B 41/31 and F25B 41/325 should be considered in order to perform a complete search.
N	F25B 41/33		Groups F25B 41/33 and F25B 41/335 are incomplete pending reclassification of documents from group F25B 41/31. Groups F25B 41/31, F25B 41/33, and F25B 41/335 should be considered in order to perform a complete search.

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<u>Type</u> *	<u>Location</u>	Old Warning	New/Modified Warning
N	F25B 41/34		Groups F25B 41/34, F25B 41/345, F25B 41/347, F25B 41/35, and F25B 41/355 are incomplete pending reclassification of documents from group F25B 41/31. All groups listed in this Warning should be considered in order to perform a complete search.
N	F25B 41/36		Group F25B 41/36 is incomplete pending reclassification of documents from group F25B 41/31. Groups F25B 41/31 and F25B 41/36 should be considered in order to perform a complete search.
N	F25B 41/37		Group F25B 41/37 is impacted by reclassification into group F25B 41/375. Groups F25B 41/37 and F25B 41/375 should be considered in order to perform a complete search.
N	F25B 41/375		Group F25B 41/375 is incomplete pending reclassification of documents from group F25B 41/37. Groups F25B 41/37 and F25B 41/375 should be considered in order to perform a complete search.
N	F25B 41/38		Group F25B 41/38 is incomplete pending reclassification of documents from group F25B 41/30. Groups F25B 41/30 and F25B 41/38 should be considered in order to perform a complete search.
N	F25B 41/385		Group F25B 41/385 is incomplete pending reclassification of documents from group F25B 41/30. Groups F25B 41/30 and F25B 41/385 should be considered in order to perform a complete search.
N	F25B 41/39		Group F25B 41/39 is incomplete pending reclassification of documents from group F25B 41/30. Groups F25B 41/30 and F25B 41/39 should be considered in order to perform a complete search.
N	F25B 41/40		Group F25B 41/40 is impacted by reclassification into groups F25B 41/42, F25B 41/45, and F25B 41/48. All groups listed in this Warning should be considered in order to perform a complete search.
N	F25B 41/42		Groups F25B 41/42, F25B 41/45, and F25B 41/48 are incomplete pending reclassification of documents from group F25B 41/40. All groups listed in this Warning 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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2. A. DEFINITIONS (new)

F25B 41/31

References

Informative references

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

Special arrangements or details of flow restrictors or	F25B2341/06
expansion valves	
Control of expansion valves	F25B2600/2513
Regulating valves per se	G05D

Special rules of classification

Additionally classify special arrangements or details of flow restrictors or expansion valves in F25B2341/06.

Additional classification of control of expansion valves in F25B2600/2513.

F25B 41/37

Definition statement

This place covers:

Flow restrictors with fixed openings.

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F25B 41/40

Definition statement

This place covers:

Pipe structures: connections, fittings, joints.

References

Informative references

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

Arrangements for charging or discharging refrigerant	F25B45/00
Pipes; Joints or fittings for pipes; supports for pipes	F16L
cables or protective tubing; Means for thermal	
insulation in general	

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2. B. DEFINITIONS QUICK FIX

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
F25B 41/003			Delete definition
F25B 41/062			Delete definition
F25B 41/067			Delete definition

- 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.

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3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol	To CPC Symbol(s)
	(existing)	
D	F25B 41/003	<administrative 40="" 41="" f25b="" to="" transfer=""></administrative>
D	F25B 41/02	<administrative 10="" 41="" f25b="" to="" transfer=""></administrative>
D	F25B 41/04	<administrative 20="" 41="" f25b="" to="" transfer=""></administrative>
D	F25B 41/043	<administrative 22="" 41="" f25b="" to="" transfer=""></administrative>
D	F25B 41/046	<administrative 26="" 41="" f25b="" to="" transfer=""></administrative>
D	F25B 41/06	<administrative 30="" 41="" f25b="" to="" transfer=""></administrative>
D	F25B 41/062	<administrative 31="" 41="" f25b="" to="" transfer=""></administrative>
D	F25B 41/065	<administrative 315="" 41="" f25b="" to="" transfer=""></administrative>
D	F25B 41/067	<administrative 37="" 41="" f25b="" to="" transfer=""></administrative>
Q	F25B 41/20	F25B 41/20, F25B 41/24, F25B 41/28
Q	F25B 41/22	F25B 41/22, F25B 41/28
Q	F25B 41/26	F25B 41/26, F25B 41/28
Q	F25B 41/30	F25B 41/30, F25B 41/38, F25B 41/385, F25B 41/39
Q	F25B 41/31	F25B 41/31, F25B 41/32, F25B 41/325, F25B 41/33,
		F25B 41/335, F25B 41/34, F25B 41/345, F25B 41/347,
		F25B 41/35, F25B 41/355, F25B 41/36
Q	F25B 41/37	F25B 41/37, F25B 41/375
Q	F25B 41/40	F25B 41/40, F25B 41/42, F25B 41/45, F25B 41/48
D	F25B 2341/061	<administrative 38="" 41="" f25b="" inv="" to="" transfer=""></administrative>
D	F25B 2341/065	<administrative 34="" 41="" f25b="" inv="" to="" transfer=""></administrative>
D	F25B 2341/0651	<administrative 355="" 41="" f25b="" inv="" to="" transfer=""></administrative>
D	F25B 2341/0652	<administrative 347="" 41="" f25b="" inv="" to="" transfer=""></administrative>
D	F25B 2341/0653	<administrative 35="" 41="" f25b="" inv="" to="" transfer=""></administrative>
D	F25B 2341/066	<administrative 385="" 41="" and<="" f25b="" inv="" td="" to="" transfer=""></administrative>
		F25B 41/39 INV simultaneously>
D	F25B 2341/0661	<administrative 385="" 41="" f25b="" inv="" to="" transfer=""></administrative>
D	F25B 2341/0662	<administrative 39="" 41="" f25b="" inv="" to="" transfer=""></administrative>
D	F25B 2341/0671	<administrative 34="" 41="" and<="" f25b="" inv="" td="" to="" transfer=""></administrative>
		F25B 2341/067 simultaneously>

^{*} 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.

- 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".

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- 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>	Action*	
F25B 41/003		DELETE	
F25B 41/02 F25B 41/04		DELETE	
		DELETE	
F25B 41/043		DELETE	
F25B 41/046		DELETE	
F25B 41/06		DELETE	
F25B 41/062		DELETE	
F25B 41/065		DELETE	
F25B 41/067		DELETE	
F25B 41/10	F25B 41/10	NEW	
F25B 41/20	F25B 41/20	NEW	
F25B 41/22	F25B 41/22	NEW	
F25B 41/24	F25B 41/24	NEW	
F25B 41/26	F25B 41/26	NEW	
F25B 41/28	F25B 41/28	NEW	
F25B 41/30	F25B 41/30	NEW	
F25B 41/31	F25B 41/31	NEW	
F25B 41/315	F25B 41/315	NEW	
F25B 41/32	F25B 41/32	NEW	
F25B 41/325	F25B 41/325	NEW	
F25B 41/33	F25B 41/33	NEW	
F25B 41/335	F25B 41/335	NEW	
F25B 41/34	F25B 41/34	NEW	
F25B 41/345	F25B 41/345	NEW	
F25B 41/347	F25B 41/345	NEW	
F25B 41/35	F25B 41/35	NEW	
F25B 41/355	F25B 41/355	NEW	
F25B 41/36	F25B 41/36	NEW	
F25B 41/37	F25B 41/37	NEW	
F25B 41/375	F25B 41/375	NEW	
F25B 41/38	F25B 41/38	NEW	
F25B 41/385	F25B 41/385	NEW	
F25B 41/39	F25B 41/39	NEW	
F25B 41/40	F25B 41/40	NEW	
F25B 41/42	F25B 41/42	NEW	
F25B 41/45	F25B 41/45	NEW	
F25B 41/48	F25B 41/48	NEW	
F25B 2341/061		DELETE	
F25B 2341/065		DELETE	
F25B 2341/0651		DELETE	

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CPC	<u>IPC</u>	Action*
F25B 2341/0652		DELETE
F25B 2341/0653		DELETE
F25B 2341/066		DELETE
F25B 2341/0661		DELETE
F25B 2341/0662		DELETE
F25B 2341/0671		DELETE

*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".

- F symbols are <u>not</u> 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.

DATE: JANUARY 1, 2021

PROJECT RP0693

5. CROSS-REFERENCE LIST (CRL)

Scheme references impacted by this revision project

Location of	Referenced subclass	Action; New reference symbol;	
<u>reference</u>	or group to be	<u>New text</u>	
to be changed	<u>changed</u>		
F16K Note	F25B41/04	F25B41/20	

<u>Definitions</u> references impacted by this revision project

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
B60H1/00485	F25B41/062	Informative	F25B41/31
		references	
F25B49/02	F25B41/062	Limiting	F25B41/31
		references	

- The CRL tables above are used for changes to locations <u>outside</u> of the project scope. Changes to references in scheme titles or definitions <u>inside</u> 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," <u>referenced</u> D symbols should indicate an action of "delete" or should indicate a replacement symbol and <u>referenced</u> 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.