

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 470

DATE: JANUARY 1, 2018

PROJECT RP0482

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	11/0009, 11/001, 11/0012, 2011/0013, 11/0015, 2011/0016, 11/0017, 2011/0019, 2011/002, 2011/0021, 2011/0023, 2011/0024, 2011/0026, 2011/0027, 2011/0028, 2011/003, 2011/0031, 2011/0032, 11/0034, 2011/0035, 2011/0036, 2011/0038, 2011/0039, 2011/0041, 2011/0042, 2011/0043, 2011/0045, 2011/0046, 2011/0047, 2011/0049, 2011/005, 2011/0052, 2011/0053, 2011/0054, 2011/0056, 2011/0057, 2011/0058, 11/006, 2011/0061, 2011/0063, 2011/0064, 2011/0065, 2011/0067, 2011/0068, 2011/0069, 2011/0071, 2011/0072, 2011/0073, 2011/0075, 11/0076, 11/0078, 11/0079, 11/008, 2011/0082, 2011/0083, 2011/0084, 11/0086, 2011/0087, 2011/0089, 2011/009, 2011/0091, 2011/0093, 2011/0094, 2011/0095, 2011/0097, 2011/0098, 11/02, 11/022, 11/025, 11/027, 11/04, 11/043, 11/047, 11/053, 11/06, 11/08, 11/085
Symbols New:	F24F	11/30, 11/32, 11/33, 11/34, 11/35, 11/36, 11/37, 11/38, 11/39, 11/41, 11/42, 11/43, 11/46, 11/47, 11/48, 11/49, 11/50, 11/52, 11/523, 11/526, 11/54, 11/56, 11/57, 11/58, 11/59, 11/61, 11/62, 11/63, 11/64, 11/65, 11/66, 11/67, 11/70, 11/72, 11/74, 11/745, 11/75, 11/755, 11/76, 11/77, 11/79, 11/80, 11/81, 11/83, 11/84, 11/85, 11/86, 11/87, 11/871, 11/873, 11/875, 11/88, 11/89
	F24F	2110/00, 2110/10, 2110/12, 2110/20, 2110/22, 2110/30, 2110/32, 2110/40, 2110/50, 2110/52, 2110/60, 2110/62, 2110/64, 2110/65, 2110/66, 2110/68, 2110/70, 2110/72, 2110/74, 2110/76, 2110/80
	F24F	2120/00, 2120/10, 2120/12, 2120/14, 2120/20
	F24F	2130/00, 2130/10, 2130/20, 2130/30, 2130/40
	F24F	2140/00, 2140/10, 2140/12, 2140/20, 2140/30, 2140/40, 2140/50, 2140/60
Titles Changed:	F24F	1/00
	F24F	3/00
	F24F	5/00
	F24F	6/00
	F24F	7/00
	F24F	9/00
	F24F	11/00, 11/0001, 11/0008

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
Warnings New:	F24F	11/30, 11/50, 11/52, 11/62, 11/65, 11/67, 11/70, 11/74, 11/755, 11/80, 11/83, 11/84, 11/85, 11/88
	F24F	2110/40, 2110/50, 2110/65, 2120/00, 2140/00, 2140/10
Notes Modified:	F24F	subclass
	F24F	11/00
Guidance Headings Deleted:	F24F	1/00, 11/00
Guidance Headings New:	F24F	2110/00
DEFINITIONS:		
Definitions Modified:	F24F	1/00, 3/00, 5/00, 6/00, 7/00, 11/00

The following subclasses/groups are also impacted by this Notice of Changes: B60H, E04D, and G01K

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

<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	F24F 1/00	0	Room units, e.g. separate or self-contained units or units receiving primary air from a central station {or with supply of heating or cooling agents from a central station, such as those applied to air-treatment systems included in F24F 3/00 and F24F 5/00}	
M	F24F 3/00	0	Air-conditioning systems in which conditioned primary air is supplied from one or more central stations to distributing units in the rooms or spaces where it may receive secondary treatment; Apparatus specially designed for such systems (room units F24F 1/00)	
M	F24F 5/00	0	Air-conditioning systems or apparatus not covered by F24F 1/00 or F24F 3/00 {, e.g. using solar heat or combined with household units such as an oven or water heater}	
M	F24F 6/00	0	Air-humidification {, e.g. cooling by humidification}	
M	F24F 7/00	0	Ventilation {, e.g. by means of wall-ducts or systems using window or roof apertures}	
M	F24F 9/00	0	Use of air currents for screening, e.g. air curtains	
M	F24F 11/00	0	Control or safety arrangements	
M	F24F 11/0001	1	{for ventilation (F24F11/30 takes precedence)}	
U	F24F 2011/0002	2	{for admittance of outside air}	
U	F24F 2011/0004	3	{to create overpressure in a room}	
U	F24F 2011/0005	3	{to create underpressure in a room, keeping contamination inside}	

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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#
U	F24F 2011/0006	2	{using low temperature external supply air to assist cooling}	
M	F24F 11/0008	1	{for air-humidification (F24F11/30 takes precedence)}	
D	F24F 11/0009	1	{Electrical control or safety systems or apparatus}	<Administrative transfer to F24F11/30 >
D	F24F 11/001	2	{Control systems or circuits characterised by their inputs, e.g. using sensors}	<Administrative transfer to F24F 11/30 and F24F 2110/00 simultaneously>
D	F24F 11/0012	3	{Air temperature}	<Administrative transfer to F24F 11/30 and F24F 2110/10 simultaneously>
D	F24F 2011/0013	4	{of the outside air}	<Administrative transfer to F24F2110/12>
D	F24F 11/0015	3	{Air humidity}	<Administrative transfer to F24F 11/30 and F24F 2110/20 simultaneously>
D	F24F 2011/0016	4	{of the outside air}	<Administrative transfer to F24F2110/22>
D	F24F 11/0017	3	{Air quality properties}	<Administrative transfer to F24F 11/30 and F24F2110/50 simultaneously>
D	F24F 2011/0019	4	{of the outside air}	<Administrative transfer to F24F2110/52>
D	F24F 2011/002	4	{Odor concentration}	<Administrative transfer to F24F2110/60>
D	F24F 2011/0021	4	{Ozone concentration}	<Administrative transfer to F24F2110/74>
D	F24F 2011/0023	4	{Concentration of air-borne particles}	<Administrative transfer to F24F2110/64>
D	F24F 2011/0024	5	{Tobacco smoke}	<Administrative transfer to F24F2110/62>
D	F24F 2011/0026	4	{Carbon dioxide concentration}	<Administrative transfer to F24F2110/70>
D	F24F 2011/0027	4	{Carbon monoxide concentration}	<Administrative transfer to F24F2110/72>
D	F24F 2011/0028	4	{Oxygen concentration}	<Administrative transfer to F24F2110/76>
D	F24F 2011/003	4	{Radon concentration}	<Administrative transfer to F24F2110/68>
D	F24F 2011/0031	4	{Electric charge}	<Administrative transfer to F24F2110/80>
D	F24F 2011/0032	4	{Volatile organic compound [VOC]}	<Administrative transfer to F24F2110/66>

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D	F24F 11/0034	3	{Occupancy}	<Administrative transfer to F24F 11/30 and F24F2120/10 simultaneously >
D	F24F 2011/0035	4	{Position of occupants}	<Administrative transfer to F24F2120/12>
D	F24F 2011/0036	4	{Activity of occupants}	<Administrative transfer to F24F2120/14>
D	F24F 2011/0038	3	{Air velocity}	<Administrative transfer to F24F2110/30>
D	F24F 2011/0039	4	{of the outside air}	<Administrative transfer to F24F2110/32>
D	F24F 2011/0041	3	{Pressure}	<Administrative transfer to F24F2110/40>
D	F24F 2011/0042	4	{Air pressure}	<Administrative transfer to F24F2110/40>
D	F24F 2011/0043	4	{Heat exchange fluid pressure}	<Administrative transfer to F24F2140/12>
D	F24F 2011/0045	3	{Heat exchange fluid temperature}	<Administrative transfer to F24F2140/20>
D	F24F 2011/0046	3	{Load}	<Administrative transfer to F24F2140/50>
D	F24F 2011/0047	3	{Energy consumption}	<Administrative transfer to F24F2140/60>
D	F24F 2011/0049	3	{Sunlight}	<Administrative transfer to F24F2130/20>
D	F24F 2011/005	3	{Artificial light}	<Administrative transfer to F24F2130/30>
D	F24F 2011/0052	3	{Malfunction}	<Administrative transfer to F24F11/32>
D	F24F 2011/0053	3	{Sound}	<Administrative transfer to F24F2130/40>
D	F24F 2011/0054	3	{Condensate}	<Administrative transfer to F24F2140/30>
D	F24F 2011/0056	3	{Damper state, e.g. open or closed}	<Administrative transfer to F24F2140/40>
D	F24F 2011/0057	3	{using feedback from user}	<Administrative transfer to F24F2120/20>
D	F24F 2011/0058	3	{using weather information or forecast}	<Administrative transfer to F24F 2130/00 and F24F2130/10 simultaneously>

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D	F24F 11/006	2	{Control systems or circuits characterised by type of control, internal processing or calculations, e.g. using fuzzy logic adaptative control or estimating values}	<Administrative transfer to F24F 11/30 and F24F11/62 simultaneously>
D	F24F 2011/0061	3	{using electronic processing}	<Administrative transfer to F24F11/63>
D	F24F 2011/0063	4	{using pre-stored data}	<Administrative transfer to F24F11/64>
D	F24F 2011/0064	4	{for selecting an operative mode}	<Administrative transfer to F24F11/65>
D	F24F 2011/0065	5	{Sleeping mode}	<Administrative transfer to F24F11/66>
D	F24F 2011/0067	3	{using one central controller connected to several sub-controllers}	<Administrative transfer to F24F11/54>
D	F24F 2011/0068	3	{using remote control device}	<Administrative transfer to F24F11/56>
D	F24F 2011/0069	4	{using a telephone line}	<Administrative transfer to F24F11/57>
D	F24F 2011/0071	4	{using internet communication}	<Administrative transfer to F24F11/58>
D	F24F 2011/0072	4	{for programming}	<Administrative transfer to F24F11/59>
D	F24F 2011/0073	3	{using timers}	<Administrative transfer to F24F11/61>
D	F24F 2011/0075	3	{for electric energy efficiency or saving}	<Administrative transfer to F24F11/46>
D	F24F 11/0076	2	{Control systems or circuits characterised by their outputs, e.g. using a variable flow fan}	<Administrative transfer to F24F11/70>
D	F24F 11/0078	3	{controlling the angle of the air stream}	<Administrative transfer to F24F11/79>
D	F24F 11/0079	3	{controlling the speed of ventilators}	<Administrative transfer to F24F11/77>
D	F24F 11/008	3	{controlling the supply of heat-exchange fluid}	<Administrative transfer to F24F11/83>
D	F24F 2011/0082	4	{using a valve}	<Administrative transfer to F24F11/84>
D	F24F 2011/0083	4	{using a variable flow pump}	<Administrative transfer to F24F11/85>
D	F24F 2011/0084	4	{monitoring refrigerant leakage}	<Administrative transfer to F24F11/36>

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D	F24F 11/0086	2	{Control systems or circuits characterised by other control features, e.g. display or monitoring devices}	<Administrative transfer to F24F11/30>
D	F24F 2011/0087	3	{for defrosting}	<Administrative transfer to F24F11/41>
D	F24F 2011/0089	4	{an outdoor unit}	<Administrative transfer to F24F11/42>
D	F24F 2011/009	4	{an indoor unit}	<Administrative transfer to F24F11/43>
D	F24F 2011/0091	3	{Display or monitoring devices}	<Administrative transfer to F24F11/52>
D	F24F 2011/0093	4	{Devices monitoring filter performance}	<Administrative transfer to F24F11/39>
D	F24F 2011/0094	4	{for computing energy costs}	<Administrative transfer to F24F11/47>
D	F24F 2011/0095	3	{Devices triggered by fire, excessive heat or smoke}	<Administrative transfer to F24F11/33>
D	F24F 2011/0097	4	{opening air passage in case of fire, excessive heat or smoke}	<Administrative transfer to F24F11/34>
D	F24F 2011/0098	4	{closing air passage in case of fire, excessive heat or smoke}	<Administrative transfer to F24F11/35>
D	F24F 11/02	1	Arrangements or mounting of control or safety devices	<Administrative transfer to F24F11/89>
D	F24F 11/022	2	{for the control of flow conditions, e.g. pressure, velocity}	<Administrative transfer to F24F11/72>
D	F24F 11/025	3	{characterised by velocity control}	<Administrative transfer to F24F11/74>
D	F24F 11/027	2	{exclusively for controlling the air supply to a heat-exchanger or the ancillary bypass (F24F 11/08 takes precedence)}	<Administrative transfer to F24F11/81>
D	F24F 11/04	2	solely for controlling the rate of air-flow (F24F 11/08 takes precedence)	<Administrative transfer to F24F11/74>
D	F24F 11/043	3	{dependent on air-current or wind pressure (F24F 11/04 takes precedence)}	<Administrative transfer to F24F11/745>
D	F24F 11/047	3	to constant value	<Administrative transfer to F24F11/75>
D	F24F 11/053	3	by means responsive to temperature	<Administrative transfer to F24F11/76>
D	F24F 11/06	2	solely for controlling the supply of heating or cooling fluids for	<Administrative transfer to F24F11/83>

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			secondary treatment (F24F 11/08 takes precedence)	
D	F24F 11/08	2	for controlling the primary treatment of air	<Administrative transfer to F24F11/30>
D	F24F 11/085	3	{in independent units }	<Administrative transfer to F24F11/30>
Q	F24F 11/30	1	for purposes related to the operation of the system, e.g. for safety or monitoring	F24F 11/30, F24F 11/32, F24F 11/33, F24F 11/34, F24F 11/35, F24F 11/36, F24F 11/37, F24F 11/38, F24F 11/39, F24F 11/41, F24F 11/42, F24F 11/43, F24F 11/46, F24F 11/47, F24F 11/48, F24F 11/49, F24F 11/50, F24F 11/52, F24F 11/523, F24F 11/526, F24F 11/54, F24F 11/56, F24F 11/57, F24F 11/58, F24F 11/59, F24F 11/61, F24F 11/62, F24F 11/63, F24F 11/64, F24F 11/65, F24F 11/66, F24F 11/67, F24F 11/70, F24F 11/72, F24F 11/74, F24F 11/745, F24F 11/75, F24F 11/755, F24F 11/76, F24F 11/77, F24F 11/79, F24F 11/80, F24F 11/81, F24F 11/83, F24F 11/84, F24F 11/85, F24F 11/86, F24F 11/87, F24F 11/871, F24F 11/873, F24F 11/875, F24F 11/88, F24F 2120/00, F24F 2140/00
N	F24F 11/32	2	Responding to malfunctions or emergencies	
N	F24F 11/33	3	to fire, excessive heat or smoke	
N	F24F 11/34	4	by opening air passages	
N	F24F 11/35	4	by closing air passages	
N	F24F 11/36	3	to leakage of heat-exchange fluid	
N	F24F 11/37	3	Resuming operation, e.g. after power outages; Emergency starting	
N	F24F 11/38	3	Failure diagnosis	
N	F24F 11/39	3	Monitoring filter performance	
N	F24F 11/41	2	Defrosting; Preventing freezing	
N	F24F 11/42	3	of outdoor units	
N	F24F 11/43	3	of indoor units	
N	F24F 11/46	2	Improving electric energy efficiency or saving	

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N	F24F 11/47	3	Responding to energy costs	
N	F24F 11/48	2	prior to normal operation, e.g. pre-heating or pre-cooling	
N	F24F 11/49	2	ensuring correct operation, e.g. by trial operation or configuration checks	
N	F24F 11/50	1	characterised by user interfaces or communication	
N	F24F 11/52	2	Indication arrangements, e.g. displays	
N	F24F 11/523	3	for displaying temperature data	
N	F24F 11/526	3	giving audible indications	
N	F24F 11/54	2	using one central controller connected to several sub-controllers	
N	F24F 11/56	2	Remote control	
N	F24F 11/57	3	using telephone networks	
N	F24F 11/58	3	using Internet communication	
N	F24F 11/59	3	for presetting	
N	F24F 11/61	2	using timers	
N	F24F 11/62	1	characterised by the type of control or by internal processing, e.g. using fuzzy logic, adaptive control or estimation of values	
N	F24F 11/63	2	Electronic processing	
N	F24F 11/64	3	using pre-stored data	
Q	F24F 11/65	3	for selecting an operating mode	F24F11/65, F24F11/67
N	F24F 11/66	4	Sleep mode	
N	F24F 11/67	4	Switching between heating and cooling modes	
Q	F24F 11/70	1	Control systems characterised by their outputs; Constructional details thereof	F24F 11/70, F24F 11/80, F24F 11/81, F24F 11/83, F24F 11/84, F24F 11/85, F24F 11/86, F24F 11/87, F24F 11/871, F24F 11/873, F24F 11/875
N	F24F 11/72	2	for controlling the supply of treated air, e.g. its pressure	
Q	F24F 11/74	3	for controlling air flow rate or air velocity	F24F11/74, F24F11/755
N	F24F 11/745	4	{the air flow rate increasing with an increase of air-current or wind pressure}	
N	F24F 11/75	4	for maintaining constant air flow rate or air velocity	

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N	F24F 11/755	4	for cyclical variation of air flow rate or air velocity	
N	F24F 11/76	4	by means responsive to temperature, e.g. bimetal springs	
N	F24F 11/77	4	by controlling the speed of ventilators	
N	F24F 11/79	3	for controlling the direction of the supplied air	
N	F24F 11/80	2	for controlling the temperature of the supplied air	
N	F24F 11/81	3	by controlling the air supply to heat-exchangers or bypass channels	
Q	F24F 11/83	3	by controlling the supply of heat-exchange fluids to heat-exchangers	F24F11/83, F24F11/84, F24F11/85
N	F24F 11/84	4	using valves	
N	F24F 11/85	4	using variable-flow pumps	
N	F24F 11/86	3	by controlling compressors within refrigeration or heat pump circuits	
N	F24F 11/87	3	by controlling absorption or discharge of heat in outdoor units	
N	F24F 11/871	4	by controlling outdoor fans	
N	F24F 11/873	3	by controlling refrigerant heaters	
N	F24F 11/875	3	by controlling heat-storage apparatus	
N	F24F 11/88	1	Electrical aspects, e.g. circuits	
N	F24F 11/89	1	Arrangement or mounting of control or safety devices	
N	F24F 2110/00	0	Control inputs relating to air properties	
N	F24F 2110/10	1	Temperature	
N	F24F 2110/12	2	of the outside air	
N	F24F 2110/20	1	Humidity	
N	F24F 2110/22	2	of the outside air	
N	F24F 2110/30	1	Velocity	
N	F24F 2110/32	2	of the outside air	
Q	F24F 2110/40	1	Pressure, e.g. wind pressure	F24F2110/40, F24F2140/10, F24F2140/12
Q	F24F 2110/50	1	Air quality properties	F24F2110/50,F24F2110/65
N	F24F 2110/52	2	of the outside air	
N	F24F 2110/60	2	Odour	
N	F24F 2110/62	2	Tobacco smoke	
N	F24F 2110/64	2	Airborne particle content	

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N	F24F 2110/65	2	Concentration of specific substances or contaminants	
N	F24F 2110/66	3	Volatile organic compounds [VOC]	
N	F24F 2110/68	3	Radon	
N	F24F 2110/70	3	Carbon dioxide	
N	F24F 2110/72	3	Carbon monoxide	
N	F24F 2110/74	3	Ozone	
N	F24F 2110/76	3	Oxygen	
N	F24F 2110/80	2	Electric charge	
N	F24F 2120/00	0	Control inputs relating to users or occupants	
N	F24F 2120/10	1	Occupancy	
N	F24F 2120/12	2	Position of occupants	
N	F24F 2120/14	2	Activity of occupants	
N	F24F 2120/20	1	Feedback from users	
N	F24F 2130/00	0	Control inputs relating to environmental factors not covered by group F24F 2110/00	
N	F24F 2130/10	1	Weather information or forecasts	
N	F24F 2130/20	1	Sunlight	
N	F24F 2130/30	1	Artificial light	
N	F24F 2130/40	1	Noise	
N	F24F 2140/00	0	Control inputs relating to system states	
N	F24F 2140/10	1	Pressure	
N	F24F 2140/12	2	Heat-exchange fluid pressure	
N	F24F 2140/20	1	Heat-exchange fluid temperature	
N	F24F 2140/30	1	Condensation of water from cooled air	
N	F24F 2140/40	1	Damper positions, e.g. open or closed	
N	F24F 2140/50	1	Load	
N	F24F 2140/60	1	Energy consumption	

*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:

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- **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).
- 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”.

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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

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
N	F24F 11/30		1. Group F24F 11/30 is impacted by reclassification into groups F24F 11/32 – F24F 11/88, F24F 2120/00, and F24F 2140/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	F24F 11/30		2. Groups F24F 11/32 – F24F 11/49 are incomplete pending reclassification of documents from group F24F 11/30. Groups F24F 11/30 and F24F 11/32 – F24F 11/49 should be considered in order to perform a complete search.
N	F24F 11/50		Groups F24F 11/50 – F24F 11/61 are incomplete pending reclassification of documents from group F24F 11/30. Groups F24F 11/50 – F24F 11/61 and F24F 11/30 should be considered in order to perform a complete search.
N	F24F 11/62		Groups F24F 11/62 – F24F 11/67 are incomplete pending reclassification of documents from group F24F 11/30. Groups F24F 11/62 – F24F 11/67 and F24F 11/30 should be considered in order to perform a complete search.
N	F24F 11/65		Group F24F 11/65 is incomplete pending reclassification of documents from group F24F 11/30. Group F24F 11/65 is also impacted by reclassification into group F24F 11/67. All groups listed in this Warning should be considered in order to perform a complete search.
N	F24F 11/67		Group F24F 11/67 is incomplete pending reclassification of documents from groups F24F 11/30 and F24F 11/65. Groups F24F 11/30, F24F 11/65, and F24F 11/67 should be considered in order to perform a complete search.
N	F24F 11/70		Groups F24F 11/70 – F24F 11/875 are incomplete pending reclassification of documents from group F24F 11/30. Group F24F 11/70 is also impacted by reclassification into groups F24F 11/80 – F24F 11/875. All groups listed in this warning should be considered in order to perform a complete search.
N	F24F 11/74		Group F24F 11/74 is incomplete pending reclassification of documents from group F24F 11/30 and F24F 11/70. Group F24F 11/74 is also impacted by reclassification into group F24F 11/755. 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 notice</u>	<u>New/Modified Warning notice</u>
N	F24F 11/755		Group F24F 11/755 is incomplete pending reclassification of documents from groups F24F 11/30, F24F 11/70 and F24F 11/74. All groups listed in this warning should be considered in order to perform a complete search.
N	F24F 11/80		Groups F24F 11/80 – F24F 11/875 are incomplete pending reclassification of documents from groups F24F 11/30 and F24F 11/70. All groups listed in this Warning should be considered in order to perform a complete search.
N	F24F 11/83		Group F24F 11/83 is incomplete pending reclassification of documents from groups F24F 11/30 and F24F 11/70. Group F24F 11/83 is also impacted by reclassification into groups F24F 11/84 and F24F 11/85. All groups listed in this Warning should be considered in order to perform a complete search.
N	F24F 11/84		Group F24F 11/84 is incomplete pending reclassification of documents from groups F24F 11/30, F24F 11/70 and F24F 11/83. All groups listed in this warning should be considered in order to perform a complete search.
N	F24F 11/85		Group F24F 11/85 is incomplete pending reclassification of documents from groups F24F 11/30, F24F 11/70 and F24F 11/83. All groups listed should be considered in order to perform a complete search.
N	F24F 11/88		Group F24F 11/88 is incomplete pending reclassification of documents from groups F24F 11/30. Groups F24F 11/30 and F24F 11/88 should be considered in order to perform a complete search.
N	F24F 2110/40		Group F24F 2110/40 is impacted by reclassification into groups F24F 2140/10 and F24F 2140/12. Groups F24F 2110/40, F24F 2140/10, and F24F 2140/12 should be considered in order to perform a complete search.
N	F24F 2110/50		Group F24F 2110/50 is impacted by reclassification into group F24F 2110/65. Groups F24F 2110/50 and F24F 2110/65 should be considered in order to perform a complete search.
N	F24F 2110/65		Group F24F 2110/65 is incomplete pending reclassification of documents from group F24F 2110/50. Groups F24F 2110/50 and F24F 2110/65 should be considered in order to perform a complete search.
N	F24F 2120/00		Group F24F 2120/00 is incomplete pending reclassification of documents from group F24F 11/30. Groups F24F 11/30 and F24F 2120/00 should be considered in order to perform a complete search.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
N	F24F 2140/00		Group F24F 2140/00 is incomplete pending reclassification of documents from group F24F 11/30. Groups F24F 11/30 and F24F 2140/00 should be considered in order to perform a complete search.
N	F24F 2140/10		Groups F24F 2140/10 and F24F 2140/12 are incomplete pending reclassification of documents from group F24F 2110/40. Groups F24F 2110/40, F24F 2140/10 and F24F 2140/12 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

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	Subclass	<p><i>(Note 1 – sentences 1 and 2)</i></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 <u>per se</u>, e.g. "room humidifiers", is covered by group F24F6/00 <p><i>(Note 2 – sentence 1)</i></p> <ul style="list-style-type: none"> - "air-conditioning" means the supply of air to rooms or spaces by means which provide for the treatment of the air in at least two of the following ways: heating - cooling - any other kind of treatment, e.g. humidification. 	<p><u>INSERT</u> in Note 1 a semicolon (;) at the end of the <u>first</u> sentence, after the symbol F24F 3/14.</p> <p><u>INSERT</u> in Note 1 a period (.) at the end of the <u>second</u> sentence, after the symbol F24F 6/00.</p> <p><u>REPLACE</u> the following <u>existing</u> text in the Note 2 sentence:</p> <p style="padding-left: 40px;">heating - cooling -</p> <p><u>WITH</u> the following <u>replacement</u> text:</p> <p style="padding-left: 40px;">heating — cooling —</p> <p><u>INSERT</u> the following <u>new</u> sentence in Note 2 below the existing sentence:</p> <ul style="list-style-type: none"> • "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.

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<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
			<p><u>INSERT</u> the following <u>new</u> note (3) in the NOTES section.</p> <p>3. In this subclass, control or safety arrangements are classified in 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 main groups F24F 1/00-F24F 9/00.</p>
N	F24F 11/00		<p><u>ADD</u> the following <u>new</u> note to F24F 11/00:</p> <p>In this group, it is desirable to add the indexing codes of groups F24F 2110/00 – F24F 2140/00.</p>

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

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

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D. New, Modified or Deleted Guidance Heading(s)

SUBCLASS F24F - AIR-CONDITIONING, AIR-HUMIDIFICATION, VENTILATION, USE OF AIR CURRENTS FOR SCREENING

<u>Type*</u>	<u>Location</u>	<u>Old Guidance Heading</u>	<u>New/Modified Guidance Heading</u>
D	F24F 1/00 – F24F 9/00	Air-conditioning	
D	F24F 11/00 – F24F 13/00	Common features or details	
N	F24F 2110/00 – F24F 2140/00		Indexing scheme associated with group F24F 11/00, relating to control inputs, e.g. measured or estimated values or parameters

*N = new guidance heading, M =modified guidance heading, D = deleted guidance heading

NOTES:

- The “Location” column requires the symbol AFTER the guidance heading location. No further directions such as “before” or “after” are required.
- In cases where there may be confusion as to whether a new group falls within the scope of a guidance heading, indicate the guidance heading and whether the group does or does not go with the guidance heading. This can be included in the “Location” column. For example, the guidance heading “Compounds containing carbon together with sulfur, selenium or tellurium with or without hydrogen, halogens, oxygen or nitrogen” encompasses groups C07C 301/00-395/00 only. If a new group C07C 398/00 is proposed and is included in the guidance heading scope, indicate this in the “Location” column as follows: 398/00 to be included under the guidance heading: “Compounds containing carbon together with sulfur, selenium or tellurium with or without hydrogen, halogens, oxygen or nitrogen.”

2. A. DEFINITIONS (Modified)

F24F1/00

Delete: The entire Limiting references section and table.

Limiting references

This place does not cover:

Central station centrally producing cool air for distributing cool air in a plurality of rooms	F24F3/00
Systems comprising multiple indoor units	F24F3/065
Dehumidification	F24F3/14
Filter units per se	F24F3/1603
Humidification	F24F6/00

Informative references

Insert: The following new rows in the existing Informative references section.

Central station centrally producing cool air for distributing cool air in a plurality of rooms	F24F3/00
Systems comprising multiple indoor units	F24F3/065
Dehumidification	F24F3/14
Filter units per se	F24F3/1603
Humidification	F24F6/00

Delete: In the existing Informative references table, the following symbol.

F24F11/0009

Replace: The deleted symbol “F24F11/0009” with the following symbol.

F24F11/30

F24F3/00

Limiting references

Delete: The following three rows from the existing Limiting references table.

Room humidifier	F24F6/00
Mounting arrangement of air filters	F24F13/28
Cogeneration of electricity and heat or cold	F25B

Informative references

Insert: The following three new rows in the existing Informative references table.

Room humidifier	F24F6/00
Mounting arrangement of air filters	F24F13/28
Cogeneration of electricity and heat or cold	F25B

F24F5/00

Delete: The entire Limiting references section and table.

Limiting references

This place does not cover:

Absorption or desorption for humidification or dehumidification purposes	F24F3/1411
Air conditioning in containers	B65D88/74

Informative references

Insert: The following two new rows in the existing Informative references table.

Absorption or desorption for humidification or dehumidification purposes	F24F3/1411
Air conditioning in containers	B65D88/74

F24F6/00

Delete: The entire Limiting references section and table.

Limiting references

This place does not cover:

Humidification systems	F24F3/14
Cooling using evaporation	F24F5/0035
Device to humidify the respiration air of patients	A61M16/16

Informative references

Insert: The following three new rows in the existing Informative references table.

Humidification systems	F24F3/14
Cooling using evaporation	F24F5/0035
Device to humidify the respiration air of patients	A61M16/16

F24F7/00

Delete: The entire Limiting references section and table.

Limiting references

This place does not cover:

Ventilation control	F24F11/0001
Ventilation of animal housings	A01K1/0047
Hoods preventing escape of fumes from the area where they are produced	B08B15/02
Ventilation systems of lifts	B66B11/024
Ventilation of mines or tunnels	E21F1/00
Ventilators or fans per se	F04D
Removing cooking fumes	F24C15/20

Informative references

Insert: The following seven new rows in the existing Informative references table.

Ventilation of animal housings	A01K1/0047
Hoods preventing escape of fumes from the area where they are produced	B08B15/02
Ventilation systems of lifts	B66B11/024
Ventilation of mines or tunnels	E21F1/00
Ventilators or fans per se	F04D
Removing cooking fumes	F24C15/20
Ventilation control	F24F11/0001

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F24F11/00

Definition statement

Delete: In the Definition statement section the following symbol.

F24F11/02

Replace: The deleted symbol “F24F11/02” with the following symbol.

F24F11/89

Special rules of classification

Delete: In the first line of the Special rules section the following symbol.

F24F 11/043

Replace: The deleted symbol “F24F11/043” with the following symbol.

F24F 11/745

Delete: In the second line of the Special rules section the following symbol.

F24F 11/047

Replace: The deleted symbol “F24F11/047” with the following symbol.

F24F 11/75

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3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	F24F 11/0009	<Administrative transfer to F24F 11/30>
D	F24F 11/001	<Administrative transfer to F24F 11/30 and F24F 2110/00 simultaneously>
D	F24F 11/0012	<Administrative transfer to F24F 11/30 and F24F 2110/10 simultaneously>
D	F24F 2011/0013	<Administrative transfer to F24F 2110/12>
D	F24F 11/0015	<Administrative transfer to F24F 11/30 and F24F 2110/20 simultaneously>
D	F24F 2011/0016	<Administrative transfer to F24F 2110/22>
D	F24F 11/0017	<Administrative transfer to F24F 11/30 and F24F 2110/50 simultaneously>
D	F24F 2011/0019	<Administrative transfer to F24F 2110/52>
D	F24F 2011/002	<Administrative transfer to F24F 2110/60>
D	F24F 2011/0021	<Administrative transfer to F24F 2110/74>
D	F24F 2011/0023	<Administrative transfer to F24F 2110/64>
D	F24F 2011/0024	<Administrative transfer to F24F 2110/62>
D	F24F 2011/0026	<Administrative transfer to F24F 2110/70>
D	F24F 2011/0027	<Administrative transfer to F24F 2110/72>
D	F24F 2011/0028	<Administrative transfer to F24F 2110/76>
D	F24F 2011/003	<Administrative transfer to F24F 2110/68>
D	F24F 2011/0031	<Administrative transfer to F24F 2110/80>
D	F24F 2011/0032	<Administrative transfer to F24F 2110/66>
D	F24F 11/0034	<Administrative transfer to F24F 11/30 and F24F 2120/10 simultaneously>
D	F24F 2011/0035	<Administrative transfer to F24F 2120/12>
D	F24F 2011/0036	<Administrative transfer to F24F 2120/14>
D	F24F 2011/0038	<Administrative transfer to F24F 2110/30>
D	F24F 2011/0039	<Administrative transfer to F24F 2110/32>
D	F24F 2011/0041	<Administrative transfer to F24F 2110/40>
D	F24F 2011/0042	<Administrative transfer to F24F 2110/40>
D	F24F 2011/0043	<Administrative transfer to F24F 2140/12>
D	F24F 2011/0045	<Administrative transfer to F24F 2140/20>
D	F24F 2011/0046	<Administrative transfer to F24F 2140/50>
D	F24F 2011/0047	<Administrative transfer to F24F 2140/60>
D	F24F 2011/0049	<Administrative transfer to F24F 2130/20>
D	F24F 2011/005	<Administrative transfer to F24F 2130/30>
D	F24F 2011/0052	<Administrative transfer to F24F 11/32>
D	F24F 2011/0053	<Administrative transfer to F24F 2130/40>
D	F24F 2011/0054	<Administrative transfer to F24F 2140/30>
D	F24F 2011/0056	<Administrative transfer to F24F 2140/40>
D	F24F 2011/0057	<Administrative transfer to F24F 2120/20>
D	F24F 2011/0058	<Administrative transfer to F24F 2130/00 and F24F 2130/10 simultaneously>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	F24F 11/006	<Administrative transfer to F24F 11/30 and F24F 11/62 simultaneously>
D	F24F 2011/0061	<Administrative transfer to F24F 11/63>
D	F24F 2011/0063	<Administrative transfer to F24F 11/64>
D	F24F 2011/0064	<Administrative transfer to F24F 11/65>
D	F24F 2011/0065	<Administrative transfer to F24F 11/66>
D	F24F 2011/0067	<Administrative transfer to F24F 11/54>
D	F24F 2011/0068	<Administrative transfer to F24F 11/56>
D	F24F 2011/0069	<Administrative transfer to F24F 11/57>
D	F24F 2011/0071	<Administrative transfer to F24F 11/58>
D	F24F 2011/0072	<Administrative transfer to F24F 11/59>
D	F24F 2011/0073	<Administrative transfer to F24F 11/61>
D	F24F 2011/0075	<Administrative transfer to F24F 11/46>
D	F24F 11/0076	<Administrative transfer to F24F 11/70>
D	F24F 11/0078	<Administrative transfer to F24F 11/79>
D	F24F 11/0079	<Administrative transfer to F24F 11/77>
D	F24F 11/008	<Administrative transfer to F24F 11/83>
D	F24F 2011/0082	<Administrative transfer to F24F 11/84>
D	F24F 2011/0083	<Administrative transfer to F24F 11/85>
D	F24F 2011/0084	<Administrative transfer to F24F 11/36>
D	F24F 11/0086	<Administrative transfer to F24F 11/30>
D	F24F 2011/0087	<Administrative transfer to F24F 11/41>
D	F24F 2011/0089	<Administrative transfer to F24F 11/42>
D	F24F 2011/009	<Administrative transfer to F24F 11/43>
D	F24F 2011/0091	<Administrative transfer to F24F 11/52>
D	F24F 2011/0093	<Administrative transfer to F24F 11/39>
D	F24F 2011/0094	<Administrative transfer to F24F 11/47>
D	F24F 2011/0095	<Administrative transfer to F24F 11/33>
D	F24F 2011/0097	<Administrative transfer to F24F 11/34>
D	F24F 2011/0098	<Administrative transfer to F24F 11/35>
D	F24F 11/02	<Administrative transfer to F24F 11/89>
D	F24F 11/022	<Administrative transfer to F24F 11/72>
D	F24F 11/025	<Administrative transfer to F24F 11/74>
D	F24F 11/027	<Administrative transfer to F24F 11/81>
D	F24F 11/04	<Administrative transfer to F24F 11/74>
D	F24F 11/043	<Administrative transfer to F24F 11/745>
D	F24F 11/047	<Administrative transfer to F24F 11/75>
D	F24F 11/053	<Administrative transfer to F24F 11/76>
D	F24F 11/06	<Administrative transfer to F24F 11/83>
D	F24F 11/08	<Administrative transfer to F24F 11/30>
D	F24F 11/085	<Administrative transfer to F24F 11/30>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
Q	F24F 11/30	F24F 11/30, F24F 11/32, F24F 11/33, F24F 11/34, F24F 11/35, F24F 11/36, F24F 11/37, F24F 11/38, F24F 11/39, F24F 11/41, F24F 11/42, F24F 11/43, F24F 11/46, F24F 11/47, F24F 11/48, F24F 11/49, F24F 11/50, F24F 11/52, F24F 11/523, F24F 11/526, F24F 11/54, F24F 11/56, F24F 11/57, F24F 11/58, F24F 11/59, F24F 11/61, F24F 11/62, F24F 11/63, F24F 11/64, F24F 11/65, F24F 11/66, F24F 11/67, F24F 11/70, F24F 11/72, F24F 11/74, F24F 11/745, F24F 11/75, F24F 11/755, F24F 11/76, F24F 11/77, F24F 11/79, F24F 11/80, F24F 11/81, F24F 11/83, F24F 11/84, F24F 11/85, F24F 11/86, F24F 11/87, F24F 11/871, F24F 11/873, F24F 11/875, F24F 11/88, F24F 2120/00, F24F 2140/00
Q	F24F 11/65	F24F 11/65, F24F 11/67
Q	F24F 11/70	F24F 11/70, F24F 11/80, F24F 11/81, F24F 11/83, F24F 11/84, F24F 11/85, F24F 11/86, F24F 11/87, F24F 11/871, F24F 11/873, F24F 11/875
Q	F24F 11/74	F24F 11/74, F24F 11/755
Q	F24F 11/83	F24F 11/83, F24F 11/84, F24F 11/85
Q	F24F 2110/40	F24F 2110/40, F24F 2140/10, F24F 2140/12
Q	F24F 2110/50	F24F 2110/50, F24F 2110/65

* 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”.

* 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”.

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
F24F 11/0009		DELETE
F24F 11/001		DELETE
F24F 11/0012		DELETE
F24F 2011/0013		DELETE
F24F 11/0015		DELETE
F24F 2011/0016		DELETE
F24F 11/0017		DELETE
F24F 2011/0019		DELETE
F24F 2011/002		DELETE
F24F 2011/0021		DELETE
F24F 2011/0023		DELETE
F24F 2011/0024		DELETE
F24F 2011/0026		DELETE
F24F 2011/0027		DELETE
F24F 2011/0028		DELETE
F24F 2011/003		DELETE
F24F 2011/0031		DELETE
F24F 2011/0032		DELETE
F24F 11/0034		DELETE
F24F 2011/0035		DELETE
F24F 2011/0036		DELETE
F24F 2011/0038		DELETE
F24F 2011/0039		DELETE
F24F 2011/0041		DELETE
F24F 2011/0042		DELETE
F24F 2011/0043		DELETE
F24F 2011/0045		DELETE
F24F 2011/0046		DELETE
F24F 2011/0047		DELETE
F24F 2011/0049		DELETE
F24F 2011/005		DELETE
F24F 2011/0052		DELETE
F24F 2011/0053		DELETE
F24F 2011/0054		DELETE
F24F 2011/0056		DELETE
F24F 2011/0057		DELETE
F24F 2011/0058		DELETE
F24F 11/006		DELETE
F24F 2011/0061		DELETE
F24F 2011/0063		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
F24F 2011/0064		DELETE
F24F 2011/0065		DELETE
F24F 2011/0067		DELETE
F24F 2011/0068		DELETE
F24F 2011/0069		DELETE
F24F 2011/0071		DELETE
F24F 2011/0072		DELETE
F24F 2011/0073		DELETE
F24F 2011/0075		DELETE
F24F 11/0076		DELETE
F24F 11/0078		DELETE
F24F 11/0079		DELETE
F24F 11/008		DELETE
F24F 2011/0082		DELETE
F24F 2011/0083		DELETE
F24F 2011/0084		DELETE
F24F 11/0086		DELETE
F24F 2011/0087		DELETE
F24F 2011/0089		DELETE
F24F 2011/009		DELETE
F24F 2011/0091		DELETE
F24F 2011/0093		DELETE
F24F 2011/0094		DELETE
F24F 2011/0095		DELETE
F24F 2011/0097		DELETE
F24F 2011/0098		DELETE
F24F 11/02		DELETE
F24F 11/022		DELETE
F24F 11/025		DELETE
F24F 11/027		DELETE
F24F 11/04		DELETE
F24F 11/043		DELETE
F24F 11/047		DELETE
F24F 11/053		DELETE
F24F 11/06		DELETE
F24F 11/08		DELETE
F24F 11/085		DELETE
F24F 11/30	F24F 11/30	NEW
F24F 11/32	F24F 11/32	NEW
F24F 11/33	F24F 11/33	NEW
F24F 11/34	F24F 11/34	NEW
F24F 11/35	F24F 11/35	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
F24F 11/36	F24F 11/36	NEW
F24F 11/37	F24F 11/37	NEW
F24F 11/38	F24F 11/38	NEW
F24F 11/39	F24F 11/39	NEW
F24F 11/41	F24F 11/41	NEW
F24F 11/42	F24F 11/42	NEW
F24F 11/43	F24F 11/43	NEW
F24F 11/46	F24F 11/46	NEW
F24F 11/47	F24F 11/47	NEW
F24F 11/48	F24F 11/48	NEW
F24F 11/49	F24F 11/49	NEW
F24F 11/50	F24F 11/50	NEW
F24F 11/52	F24F 11/52	NEW
F24F 11/523	F24F 11/523	NEW
F24F 11/526	F24F 11/526	NEW
F24F 11/54	F24F 11/54	NEW
F24F 11/56	F24F 11/56	NEW
F24F 11/57	F24F 11/57	NEW
F24F 11/58	F24F 11/58	NEW
F24F 11/59	F24F 11/59	NEW
F24F 11/61	F24F 11/61	NEW
F24F 11/62	F24F 11/62	NEW
F24F 11/63	F24F 11/63	NEW
F24F 11/64	F24F 11/64	NEW
F24F 11/65	F24F 11/65	NEW
F24F 11/66	F24F 11/66	NEW
F24F 11/67	F24F 11/67	NEW
F24F 11/70	F24F 11/70	NEW
F24F 11/72	F24F 11/72	NEW
F24F 11/74	F24F 11/74	NEW
F24F 11/745	F24F 11/74	NEW
F24F 11/75	F24F 11/75	NEW
F24F 11/755	F24F 11/755	NEW
F24F 11/76	F24F 11/76	NEW
F24F 11/77	F24F 11/77	NEW
F24F 11/79	F24F 11/79	NEW
F24F 11/80	F24F 11/80	NEW
F24F 11/81	F24F 11/81	NEW
F24F 11/83	F24F 11/83	NEW
F24F 11/84	F24F 11/84	NEW
F24F 11/85	F24F 11/85	NEW
F24F 11/86	F24F 11/86	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
F24F 11/87	F24F 11/87	NEW
F24F 11/871	F24F 11/871	NEW
F24F 11/873	F24F 11/873	NEW
F24F 11/875	F24F 11/875	NEW
F24F 11/88	F24F 11/88	NEW
F24F 11/89	F24F 11/89	NEW
F24F 2110/00	F24F 110/00	NEW
F24F 2110/10	F24F 110/10	NEW
F24F 2110/12	F24F 110/12	NEW
F24F 2110/20	F24F 110/20	NEW
F24F 2110/22	F24F 110/22	NEW
F24F 2110/30	F24F 110/30	NEW
F24F 2110/32	F24F 110/32	NEW
F24F 2110/40	F24F 110/40	NEW
F24F 2110/50	F24F 110/50	NEW
F24F 2110/52	F24F 110/52	NEW
F24F 2110/60	F24F 110/60	NEW
F24F 2110/62	F24F 110/62	NEW
F24F 2110/64	F24F 110/64	NEW
F24F 2110/65	F24F 110/65	NEW
F24F 2110/66	F24F 110/66	NEW
F24F 2110/68	F24F 110/68	NEW
F24F 2110/70	F24F 110/70	NEW
F24F 2110/72	F24F 110/72	NEW
F24F 2110/74	F24F 110/74	NEW
F24F 2110/76	F24F 110/76	NEW
F24F 2110/80	F24F 110/80	NEW
F24F 2120/00	F24F 120/00	NEW
F24F 2120/10	F24F 120/10	NEW
F24F 2120/12	F24F 120/12	NEW
F24F 2120/14	F24F 120/14	NEW
F24F 2120/20	F24F 120/20	NEW
F24F 2130/00	F24F 130/00	NEW
F24F 2130/10	F24F 130/10	NEW
F24F 2130/20	F24F 130/20	NEW
F24F 2130/30	F24F 130/30	NEW
F24F 2130/40	F24F 130/40	NEW
F24F 2140/00	F24F 140/00	NEW
F24F 2140/10	F24F 140/10	NEW
F24F 2140/12	F24F 140/12	NEW
F24F 2140/20	F24F 140/20	NEW
F24F 2140/30	F24F 140/30	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
F24F 2140/40	F24F 140/40	NEW
F24F 2140/50	F24F 140/50	NEW
F24F 2140/60	F24F 140/60	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.

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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>
F24F 1/01	F24F 11/027	F24F 11/81
F24F 1/02	F24F 11/085	F24F 11/30
F24F 3/06	F24F 11/06	F24F 11/83

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>
B60H 1/00985	F24F 11/0086	Informative References	F24F 11/50
E04D 13/035	F24F 2011/0095	Informative References	F24F 11/33
G01K 13/00	F24F 11/0012	Application-oriented References	F24F 2110/10

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.