

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 759

DATE: JANUARY 1, 2020

PROJECT RP0625

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

| <u>Action</u>    | <u>Subclass</u> | <u>Group(s)</u>  |
|------------------|-----------------|--|
| <b>SCHEME:</b>   |                 |  |
| Symbols Deleted: | F23N            | 2021/00, 2021/02, 2021/04, 2021/06, 2021/08, 2021/10, 2021/12  |
|                  |                 | 2023/00, 2023/02, 2023/04, 2023/06, 2023/08, 2023/10, 2023/12, 2023/14, 2023/16, 2023/18, 2023/20, 2023/22, 2023/24, 2023/26, 2023/28, 2023/30, 2023/32, 2023/34, 2023/36, 2023/38, 2023/40, 2023/42, 2023/44, 2023/46, 2023/48, 2023/50, 2023/52, 2023/54 |
|                  |                 | 2025/00, 2025/02, 2025/04, 2025/06, 2025/08, 2025/10, 2025/12, 2025/13, 2025/14, 2025/16, 2025/18, 2025/19, 2025/20, 2025/21, 2025/22, 2025/24, 2025/26, 2025/30   |
|                  |                 | 2027/00, 2027/02, 2027/04, 2027/06, 2027/08, 2027/10, 2027/12, 2027/14, 2027/16, 2027/18, 2027/20, 2027/22, 2027/24, 2027/26, 2027/28, 2027/30, 2027/32, 2027/34, 2027/36, 2027/38, 2027/40, 2027/42   |
|                  |                 | 2029/00, 2029/02, 2029/04, 2029/06, 2029/08, 2029/10, 2029/12, 2029/14, 2029/16, 2029/18, 2029/20, 2029/22   |
|                  |                 | 2031/00, 2031/02, 2031/04, 2031/06, 2031/08, 2031/10, 2031/12, 2031/14, 2031/16, 2031/18, 2031/20, 2031/22, 2031/24, 2031/26, 2031/28, 2031/30   |
|                  |                 | 2033/00, 2033/02, 2033/04, 2033/06, 2033/08, 2033/10   |
|                  |                 | 2035/00, 2035/02, 2035/04, 2035/06, 2035/08, 2035/10, 2035/12, 2035/14, 2035/16, 2035/18, 2035/20, 2035/22, 2035/24, 2035/26, 2035/28, 2035/30   |
|                  |                 | 2037/00, 2037/02, 2037/04, 2037/06, 2037/08, 2037/10, 2037/12, 2037/14, 2037/16, 2037/18, 2037/20, 2037/22, 2037/24, 2037/26, 2037/28, 2037/30, 2037/32  |
|                  |                 | 2039/00, 2039/02, 2039/04, 2039/06   |
|                  |                 | 2041/00, 2041/02, 2041/04, 2041/06, 2041/08, 2041/10, 2041/11, 2041/12, 2041/14, 2041/16, 2041/18, 2041/20, 2041/22  |
| Symbols New:     | F23N            | 2221/00, 2221/02, 2221/04, 2221/06, 2221/08, 2221/10, 2221/12  |

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| <u>Action</u>       | <u>Subclass</u> | <u>Group(s)</u>  |
|---------------------|-----------------|--|
|                     |                 | 2223/00, 2223/02, 2223/04, 2223/06, 2223/08, 2223/10, 2223/12, 2223/14, 2223/16, 2223/18, 2223/20, 2223/22, 2223/24, 2223/26, 2223/28, 2223/30, 2223/32, 2223/34, 2223/36, 2223/38, 2223/40, 2223/42, 2223/44, 2223/46, 2223/48, 2223/50, 2223/52, 2223/54 |
|                     |                 | 2225/00, 2225/02, 2225/04, 2225/06, 2225/08, 2225/10, 2225/12, 2225/13, 2225/14, 2225/16, 2225/18, 2225/19, 2225/20, 2225/21, 2225/22, 2225/24, 2225/26, 2225/30   |
|                     |                 | 2227/00, 2227/02, 2227/04, 2227/06, 2227/08, 2227/10, 2227/12, 2227/14, 2227/16, 2227/18, 2227/20, 2227/22, 2227/24, 2227/26, 2227/28, 2227/30, 2227/32, 2227/34, 2227/36, 2227/38, 2227/40, 2227/42   |
|                     |                 | 2229/00, 2229/02, 2229/04, 2229/06, 2229/08, 2229/10, 2229/12, 2229/14, 2229/16, 2229/18, 2229/20, 2229/22   |
|                     |                 | 2231/00, 2231/02, 2231/04, 2231/06, 2231/08, 2231/10, 2231/12, 2231/14, 2231/16, 2231/18, 2231/20, 2231/22, 2231/24, 2231/26, 2231/28, 2231/30   |
|                     |                 | 2233/00, 2233/02, 2233/04, 2233/06, 2233/08, 2233/10   |
|                     |                 | 2235/00, 2235/02, 2235/04, 2235/06, 2235/08, 2235/10, 2235/12, 2235/14, 2235/16, 2235/18, 2235/20, 2235/22, 2235/24, 2235/26, 2235/28, 2235/30   |
|                     |                 | 2237/00, 2237/02, 2237/04, 2237/06, 2237/08, 2237/10, 2237/12, 2237/14, 2237/16, 2237/18, 2237/20, 2237/22, 2237/24, 2237/26, 2237/28, 2237/30, 2237/32  |
|                     |                 | 2239/00, 2239/02, 2239/04, 2239/06   |
|                     |                 | 2241/00, 2241/02, 2241/04, 2241/06, 2241/08, 2241/10, 2241/11, 2241/12, 2241/14, 2241/16, 2241/18, 2241/20, 2241/22  |
| Titles Changed:     | F23N            | SUBCLASS   |
|                     |                 | 3/06   |
|                     |                 | 5/00, 5/12   |
| Warnings Deleted:   | F23N            | SUBCLASS   |
| <b>DEFINITIONS:</b> |                 |  |
| Definitions New:    | F23N            | 5/12   |
|                     |                 | 2227/22  |
|                     |                 | 2237/00  |

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**The following subclasses/groups are also impacted by this Notice of Changes:**  
B60H, F23G, F23R

**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 F23N – REGULATING OR CONTROLLING COMBUSTION (control devices specially adapted for fluidised-bed combustion apparatus F23C 10/28; condition responsive controls for regulating combustion in domestic stoves with open fires for solid fuel F24B 1/187)**

| <u>Typ<br/>e*</u> | <u>Symbol</u> | <u>Indent<br/>Level<br/>Number<br/>of dots<br/>(e.g. 0, 1,<br/>2)</u> | <u>Title<br/>(new or modified)</u><br><u>“CPC only” text should normally be<br/>enclosed in {curly brackets}**</u>   | <u>Transferred to<sup>#</sup></u>        |
|-------------------|---------------|---|--|--|
| M                 | F23N          | Subclass  | REGULATING OR CONTROLLING COMBUSTION (control devices specially adapted for combustion apparatus in which combustion takes place in a fluidised bed of fuel or other particles F23C 10/28; condition responsive controls for regulating combustion in domestic stoves with open fires for solid fuel F24B 1/187) |  |
| M                 | F23N 3/06     | 1   | by conjoint operation of two or more valves or dampers (by power-assisted systems F23N 3/08)   |  |
| M                 | F23N 5/00     | 0   | Systems for controlling combustion (regulating fuel supply F23N 1/00, regulating air supply or draught F23N 3/00)  |  |
| M                 | F23N 5/12     | 2   | using ionisation-sensitive elements, i.e. flame rods   |  |
| D                 | F23N2021/00   | 0   | Pretreatment or prehandling  | <Administrative transfer to F23N2221/00> |
| D                 | F23N2021/02   | 1   | using belt conveyors   | <Administrative transfer to F23N2221/02> |
| D                 | F23N2021/04   | 1   | Preheating liquid fuel   | <Administrative transfer to F23N2221/04> |
| D                 | F23N2021/06   | 1   | Preheating gaseous fuel  | <Administrative transfer to F23N2221/06> |
| D                 | F23N2021/08   | 1   | Preheating the air   | <Administrative transfer to F23N2221/08> |
| D                 | F23N2021/10   | 1   | Analysing fuel properties, e.g. density, calorific   | <Administrative transfer to F23N2221/10> |
| D                 | F23N2021/12   | 1   | Recycling exhaust gases  | <Administrative transfer to F23N2221/12> |
| D                 | F23N2023/00   | 0   | Signal processing; Details thereof   | <Administrative transfer to F23N2223/00> |
| D                 | F23N2023/02   | 1   | Multiplex transmission   | <Administrative transfer to F23N2223/02> |
| D                 | F23N2023/04   | 1   | Memory   | <Administrative transfer to F23N2223/04> |
| D                 | F23N2023/06   | 1   | Sampling   | <Administrative transfer to F23N2223/06> |

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|-------------------|---------------|---|--|--|
| D                 | F23N2023/08   | 1   | Microprocessor; Microcomputer  | <Administrative transfer to F23N2223/08> |
| D                 | F23N2023/10   | 1   | Correlation  | <Administrative transfer to F23N2223/10> |
| D                 | F23N2023/12   | 1   | Integration  | <Administrative transfer to F23N2223/12> |
| D                 | F23N2023/14   | 1   | Differentiation  | <Administrative transfer to F23N2223/14> |
| D                 | F23N2023/16   | 1   | Measuring bridge   | <Administrative transfer to F23N2223/16> |
| D                 | F23N2023/18   | 1   | Chopper  | <Administrative transfer to F23N2223/18> |
| D                 | F23N2023/20   | 1   | Opto-coupler   | <Administrative transfer to F23N2223/20> |
| D                 | F23N2023/22   | 1   | Timing network   | <Administrative transfer to F23N2223/22> |
| D                 | F23N2023/24   | 2   | with bimetallic elements   | <Administrative transfer to F23N2223/24> |
| D                 | F23N2023/26   | 2   | with capacitors  | <Administrative transfer to F23N2223/26> |
| D                 | F23N2023/28   | 2   | with more than one timing element  | <Administrative transfer to F23N2223/28> |
| D                 | F23N2023/30   | 1   | Switches   | <Administrative transfer to F23N2223/30> |
| D                 | F23N2023/32   | 2   | Reed switches  | <Administrative transfer to F23N2223/32> |
| D                 | F23N2023/34   | 1   | with feedforward processing  | <Administrative transfer to F23N2223/34> |
| D                 | F23N2023/36   | 1   | PID signal processing  | <Administrative transfer to F23N2223/36> |
| D                 | F23N2023/38   | 1   | Remote control   | <Administrative transfer to F23N2223/38> |
| D                 | F23N2023/40   | 1   | Simulation   | <Administrative transfer to F23N2223/40> |
| D                 | F23N2023/42   | 1   | Function generator   | <Administrative transfer to F23N2223/42> |
| D                 | F23N2023/44   | 1   | Optimum control  | <Administrative transfer to F23N2223/44> |
| D                 | F23N2023/46   | 1   | Identification   | <Administrative transfer to F23N2223/46> |
| D                 | F23N2023/48   | 1   | Learning / Adaptive control  | <Administrative transfer to F23N2223/48> |
| D                 | F23N2023/50   | 1   | Human control  | <Administrative transfer to F23N2223/50> |
| D                 | F23N2023/52   | 1   | Fuzzy logic  | <Administrative transfer to F23N2223/52> |

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|-------------------|---------------|---|--|--|
| D                 | F23N2023/54   | 1   | Recording  | <Administrative transfer to F23N2223/54> |
| D                 | F23N2025/00   | 0   | Measuring  | <Administrative transfer to F23N2225/00> |
| D                 | F23N2025/02   | 1   | filling height in burners  | <Administrative transfer to F23N2225/02> |
| D                 | F23N2025/04   | 1   | pressure   | <Administrative transfer to F23N2225/04> |
| D                 | F23N2025/06   | 2   | for determining flow   | <Administrative transfer to F23N2225/06> |
| D                 | F23N2025/08   | 1   | temperature  | <Administrative transfer to F23N2225/08> |
| D                 | F23N2025/10   | 2   | stack temperature  | <Administrative transfer to F23N2225/10> |
| D                 | F23N2025/12   | 2   | room temperature   | <Administrative transfer to F23N2225/12> |
| D                 | F23N2025/13   | 2   | outdoor temperature  | <Administrative transfer to F23N2225/13> |
| D                 | F23N2025/14   | 2   | Ambient temperature around burners   | <Administrative transfer to F23N2225/14> |
| D                 | F23N2025/16   | 2   | burner temperature   | <Administrative transfer to F23N2225/16> |
| D                 | F23N2025/18   | 2   | feedwater temperature  | <Administrative transfer to F23N2225/18> |
| D                 | F23N2025/19   | 2   | outlet temperature water heat-exchanger  | <Administrative transfer to F23N2225/19> |
| D                 | F23N2025/20   | 2   | entrant temperature  | <Administrative transfer to F23N2225/20> |
| D                 | F23N2025/21   | 2   | outlet temperature   | <Administrative transfer to F23N2225/21> |
| D                 | F23N2025/22   | 1   | heat losses  | <Administrative transfer to F23N2225/22> |
| D                 | F23N2025/24   | 2   | indicated in an amount of money  | <Administrative transfer to F23N2225/24> |
| D                 | F23N2025/26   | 1   | humidity   | <Administrative transfer to F23N2225/26> |
| D                 | F23N2025/30   | 2   | measuring lambda   | <Administrative transfer to F23N2225/30> |
| D                 | F23N2027/00   | 0   | Ignition or checking   | <Administrative transfer to F23N2227/00> |
| D                 | F23N2027/02   | 1   | Starting or ignition cycles  | <Administrative transfer to F23N2227/02> |
| D                 | F23N2027/04   | 1   | Prepurge   | <Administrative transfer to F23N2227/04> |
| D                 | F23N2027/06   | 1   | Postpurge  | <Administrative transfer to F23N2227/06> |

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|-------------------|---------------|---|--|--|
| D                 | F23N2027/08   | 1   | Hold fire apparatus  | <Administrative transfer to F23N2227/08> |
| D                 | F23N2027/10   | 1   | Sequential burner running  | <Administrative transfer to F23N2227/10> |
| D                 | F23N2027/12   | 1   | Burner simulation or checking  | <Administrative transfer to F23N2227/12> |
| D                 | F23N2027/14   | 2   | Flame simulation   | <Administrative transfer to F23N2227/14> |
| D                 | F23N2027/16   | 2   | Checking components, e.g. electronic   | <Administrative transfer to F23N2227/16> |
| D                 | F23N2027/18   | 1   | Applying test signals, e.g. periodic   | <Administrative transfer to F23N2227/18> |
| D                 | F23N2027/20   | 1   | Calibrating devices  | <Administrative transfer to F23N2227/20> |
| D                 | F23N2027/22   | 1   | Pilot burners (ignition circuits therefor F23N2027/32)   | <Administrative transfer to F23N2227/22> |
| D                 | F23N2027/24   | 2   | the pilot burner not burning continuously  | <Administrative transfer to F23N2227/24> |
| D                 | F23N2027/26   | 2   | comprising two or more distinct pilot burners  | <Administrative transfer to F23N2227/26> |
| D                 | F23N2027/28   | 1   | Ignition circuits  | <Administrative transfer to F23N2227/28> |
| D                 | F23N2027/30   | 2   | for pilot burners  | <Administrative transfer to F23N2227/30> |
| D                 | F23N2027/32   | 1   | Igniting for a predetermined number of cycles  | <Administrative transfer to F23N2227/32> |
| D                 | F23N2027/34   | 1   | Continuously applied ignition cycles   | <Administrative transfer to F23N2227/34> |
| D                 | F23N2027/36   | 1   | Spark ignition, e.g. by means of a high voltage  | <Administrative transfer to F23N2227/36> |
| D                 | F23N2027/38   | 1   | Electrical resistance ignition   | <Administrative transfer to F23N2227/38> |
| D                 | F23N2027/40   | 1   | Catalytic ignition   | <Administrative transfer to F23N2227/40> |
| D                 | F23N2027/42   | 1   | Ceramic glow ignition  | <Administrative transfer to F23N2227/42> |
| D                 | F23N2029/00   | 0   | Flame sensors  | <Administrative transfer to F23N2229/00> |
| D                 | F23N2029/02   | 1   | Pilot flame sensors  | <Administrative transfer to F23N2229/02> |
| D                 | F23N2029/04   | 1   | sensitive to the colour of flames  | <Administrative transfer to F23N2229/04> |
| D                 | F23N2029/06   | 1   | with periodical shutters; Modulation signals   | <Administrative transfer to F23N2229/06> |
| D                 | F23N2029/08   | 1   | detecting flame flicker  | <Administrative transfer to F23N2229/08> |

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|-------------------|---------------|---|--|--|
| D                 | F23N2029/10   | 1   | comprising application of periodical fuel flow fluctuations  | <Administrative transfer to F23N2229/10> |
| D                 | F23N2029/12   | 1   | with flame rectification current detecting means   | <Administrative transfer to F23N2229/12> |
| D                 | F23N2029/14   | 1   | using two or more different types of flame sensor  | <Administrative transfer to F23N2229/14> |
| D                 | F23N2029/16   | 1   | using two or more of the same types of flame sensor  | <Administrative transfer to F23N2229/16> |
| D                 | F23N2029/18   | 1   | Flame sensor cooling means   | <Administrative transfer to F23N2229/18> |
| D                 | F23N2029/20   | 1   | Camera viewing   | <Administrative transfer to F23N2229/20> |
| D                 | F23N2029/22   | 1   | the sensor's sensitivity being variable  | <Administrative transfer to F23N2229/22> |
| D                 | F23N2031/00   | 0   | Fail safe  | <Administrative transfer to F23N2231/00> |
| D                 | F23N2031/02   | 1   | using electric energy accumulators   | <Administrative transfer to F23N2231/02> |
| D                 | F23N2031/04   | 1   | for electrical power failures  | <Administrative transfer to F23N2231/04> |
| D                 | F23N2031/06   | 1   | for flame failures   | <Administrative transfer to F23N2231/06> |
| D                 | F23N2031/08   | 2   | for pilot flame failures   | <Administrative transfer to F23N2231/08> |
| D                 | F23N2031/10   | 1   | for component failures   | <Administrative transfer to F23N2231/10> |
| D                 | F23N2031/12   | 1   | for ignition failures  | <Administrative transfer to F23N2231/12> |
| D                 | F23N2031/14   | 1   | for earthquakes  | <Administrative transfer to F23N2231/14> |
| D                 | F23N2031/16   | 1   | using melting materials or shape memory alloys   | <Administrative transfer to F23N2231/16> |
| D                 | F23N2031/18   | 1   | Detecting fluid leaks  | <Administrative transfer to F23N2231/18> |
| D                 | F23N2031/20   | 1   | Warning devices  | <Administrative transfer to F23N2231/20> |
| D                 | F23N2031/22   | 2   | using warning lamps  | <Administrative transfer to F23N2231/22> |
| D                 | F23N2031/24   | 1   | Freezing   | <Administrative transfer to F23N2231/24> |
| D                 | F23N2031/26   | 1   | for clogging air inlet   | <Administrative transfer to F23N2231/26> |
| D                 | F23N2031/28   | 1   | preventing flash-back or blow-back   | <Administrative transfer to F23N2231/28> |
| D                 | F23N2031/30   | 1   | Representation of working time   | <Administrative transfer to F23N2231/30> |



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|-------------------|---------------|---|--|--|
| D                 | F23N2033/00   | 0   | Ventilators  | <Administrative transfer to F23N2233/00> |
| D                 | F23N2033/02   | 1   | in stacks  | <Administrative transfer to F23N2233/02> |
| D                 | F23N2033/04   | 2   | with variable speed  | <Administrative transfer to F23N2233/04> |
| D                 | F23N2033/06   | 1   | at the air intake  | <Administrative transfer to F23N2233/06> |
| D                 | F23N2033/08   | 2   | with variable speed  | <Administrative transfer to F23N2233/08> |
| D                 | F23N2033/10   | 1   | forcing air through heat exchangers  | <Administrative transfer to F23N2233/10> |
| D                 | F23N2035/00   | 0   | Valves, nozzles or pumps   | <Administrative transfer to F23N2235/00> |
| D                 | F23N2035/02   | 1   | Air or combustion gas valves or dampers  | <Administrative transfer to F23N2235/02> |
| D                 | F23N2035/04   | 2   | in stacks  | <Administrative transfer to F23N2235/04> |
| D                 | F23N2035/06   | 2   | at the air intake  | <Administrative transfer to F23N2235/06> |
| D                 | F23N2035/08   | 2   | used with heat exchanges   | <Administrative transfer to F23N2235/08> |
| D                 | F23N2035/10   | 2   | power assisted, e.g. using electric motors   | <Administrative transfer to F23N2235/10> |
| D                 | F23N2035/12   | 1   | Fuel valves  | <Administrative transfer to F23N2235/12> |
| D                 | F23N2035/14   | 2   | electromagnetically operated   | <Administrative transfer to F23N2235/14> |
| D                 | F23N2035/16   | 2   | variable flow or proportional valves   | <Administrative transfer to F23N2235/16> |
| D                 | F23N2035/18   | 2   | Groups of two or more valves   | <Administrative transfer to F23N2235/18> |
| D                 | F23N2035/20   | 2   | Membrane valves  | <Administrative transfer to F23N2235/20> |
| D                 | F23N2035/22   | 2   | cooperating with magnets   | <Administrative transfer to F23N2235/22> |
| D                 | F23N2035/24   | 2   | Valve details  | <Administrative transfer to F23N2235/24> |
| D                 | F23N2035/26   | 1   | Fuel nozzles   | <Administrative transfer to F23N2235/26> |
| D                 | F23N2035/28   | 2   | Spray fuel nozzles   | <Administrative transfer to F23N2235/28> |
| D                 | F23N2035/30   | 1   | Pumps  | <Administrative transfer to F23N2235/30> |
| D                 | F23N2037/00   | 0   | Controlling (F23N5/00 takes precedence)  | <Administrative transfer to F23N2237/00> |

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| <b>Typ<br/>e*</b> | <b>Symbol</b> | <b>Indent<br/>Level<br/>Number<br/>of dots<br/>(e.g. 0, 1,<br/>2)</b> | <b>Title<br/>(new or modified)<br/>“CPC only” text should normally be<br/>enclosed in {curly brackets}**</b> | <b>Transferred to<sup>#</sup></b>        |
|-------------------|---------------|---|--|--|
| D                 | F23N2037/02   | 1   | two or more burners  | <Administrative transfer to F23N2237/02> |
| D                 | F23N2037/04   | 1   | at two or more different localities  | <Administrative transfer to F23N2237/04> |
| D                 | F23N2037/06   | 1   | two predetermining temperatures, e.g. day-night  | <Administrative transfer to F23N2237/06> |
| D                 | F23N2037/08   | 1   | two or more different types of fuel simultaneously   | <Administrative transfer to F23N2237/08> |
| D                 | F23N2037/10   | 1   | High or low fire   | <Administrative transfer to F23N2237/10> |
| D                 | F23N2037/12   | 1   | catalytic burners  | <Administrative transfer to F23N2237/12> |
| D                 | F23N2037/14   | 1   | burners with gasification or vaporizer elements  | <Administrative transfer to F23N2237/14> |
| D                 | F23N2037/16   | 1   | secondary air  | <Administrative transfer to F23N2237/16> |
| D                 | F23N2037/18   | 1   | fluidized bed burners  | <Administrative transfer to F23N2237/18> |
| D                 | F23N2037/20   | 1   | one or more bypass conduits  | <Administrative transfer to F23N2237/20> |
| D                 | F23N2037/22   | 1   | water injection  | <Administrative transfer to F23N2237/22> |
| D                 | F23N2037/24   | 1   | height of burner   | <Administrative transfer to F23N2237/24> |
| D                 | F23N2037/26   | 2   | oxygen-air ratio   | <Administrative transfer to F23N2237/26> |
| D                 | F23N2037/28   | 2   | oxygen as pure oxydant   | <Administrative transfer to F23N2237/28> |
| D                 | F23N2037/30   | 2   | matrix burners   | <Administrative transfer to F23N2237/30> |
| D                 | F23N2037/32   | 2   | Nox  | <Administrative transfer to F23N2237/32> |
| D                 | F23N2039/00   | 0   | Fuels  | <Administrative transfer to F23N2239/00> |
| D                 | F23N2039/02   | 1   | Solid fuels  | <Administrative transfer to F23N2239/02> |
| D                 | F23N2039/04   | 1   | Gaseous fuels  | <Administrative transfer to F23N2239/04> |
| D                 | F23N2039/06   | 1   | Liquid fuels   | <Administrative transfer to F23N2239/06> |
| D                 | F23N2041/00   | 0   | Applications   | <Administrative transfer to F23N2241/00> |
| D                 | F23N2041/02   | 1   | Space-heating  | <Administrative transfer to F23N2241/02> |
| D                 | F23N2041/04   | 1   | Heating water  | <Administrative transfer to F23N2241/04> |

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|-------------------|---------------|---|--|--|
| D                 | F23N2041/06   | 1   | Space-heating and heating water  | <Administrative transfer to F23N2241/06> |
| D                 | F23N2041/08   | 1   | Household apparatus  | <Administrative transfer to F23N2241/08> |
| D                 | F23N2041/10   | 1   | Generating vapour  | <Administrative transfer to F23N2241/10> |
| D                 | F23N2041/11   | 1   | Torches  | <Administrative transfer to F23N2241/11> |
| D                 | F23N2041/12   | 1   | Stack-torches  | <Administrative transfer to F23N2241/12> |
| D                 | F23N2041/14   | 1   | Vehicle heating, the heat being derived otherwise than from the propulsion plant                             | <Administrative transfer to F23N2241/14> |
| D                 | F23N2041/16   | 1   | Spectrometer burners   | <Administrative transfer to F23N2241/16> |
| D                 | F23N2041/18   | 1   | Incinerating apparatus   | <Administrative transfer to F23N2241/18> |
| D                 | F23N2041/20   | 1   | Gas turbines   | <Administrative transfer to F23N2241/20> |
| D                 | F23N2041/22   | 1   | Absorption refrigerator  | <Administrative transfer to F23N2241/22> |
| N                 | F23N2221/00   | 0   | Pretreatment or prehandling  |  |
| N                 | F23N2221/02   | 1   | using belt conveyors   |  |
| N                 | F23N2221/04   | 1   | Preheating liquid fuel   |  |
| N                 | F23N2221/06   | 1   | Preheating gaseous fuel  |  |
| N                 | F23N2221/08   | 1   | Preheating the air   |  |
| N                 | F23N2221/10   | 1   | Analysing fuel properties, e.g. density, calorific   |  |
| N                 | F23N2221/12   | 1   | Recycling exhaust gases  |  |
| N                 | F23N2223/00   | 0   | Signal processing; Details thereof   |  |
| N                 | F23N2223/02   | 1   | Multiplex transmission   |  |
| N                 | F23N2223/04   | 1   | Memory   |  |
| N                 | F23N2223/06   | 1   | Sampling   |  |
| N                 | F23N2223/08   | 1   | Microprocessor; Microcomputer  |  |
| N                 | F23N2223/10   | 1   | Correlation  |  |
| N                 | F23N2223/12   | 1   | Integration  |  |
| N                 | F23N2223/14   | 1   | Differentiation  |  |
| N                 | F23N2223/16   | 1   | Measuring bridge   |  |
| N                 | F23N2223/18   | 1   | Chopper  |  |
| N                 | F23N2223/20   | 1   | Opto-coupler   |  |
| N                 | F23N2223/22   | 1   | Timing network   |  |
| N                 | F23N2223/24   | 2   | with bimetallic elements   |  |
| N                 | F23N2223/26   | 2   | with capacitors  |  |
| N                 | F23N2223/28   | 2   | with more than one timing element  |  |
| N                 | F23N2223/30   | 1   | Switches   |  |
| N                 | F23N2223/32   | 2   | Reed switches  |  |
| N                 | F23N2223/34   | 1   | with feedforward processing  |  |

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|-------------------|---------------|---|--|------------------------|
| N                 | F23N2223/36   | 1   | PID signal processing  |                        |
| N                 | F23N2223/38   | 1   | Remote control   |                        |
| N                 | F23N2223/40   | 1   | Simulation   |                        |
| N                 | F23N2223/42   | 1   | Function generator   |                        |
| N                 | F23N2223/44   | 1   | Optimum control  |                        |
| N                 | F23N2223/46   | 1   | Identification   |                        |
| N                 | F23N2223/48   | 1   | Learning / Adaptive control  |                        |
| N                 | F23N2223/50   | 1   | Human control  |                        |
| N                 | F23N2223/52   | 1   | Fuzzy logic  |                        |
| N                 | F23N2223/54   | 1   | Recording  |                        |
| N                 | F23N2225/00   | 0   | Measuring  |                        |
| N                 | F23N2225/02   | 1   | filling height in burners  |                        |
| N                 | F23N2225/04   | 1   | pressure   |                        |
| N                 | F23N2225/06   | 2   | for determining flow   |                        |
| N                 | F23N2225/08   | 1   | temperature  |                        |
| N                 | F23N2225/10   | 2   | stack temperature  |                        |
| N                 | F23N2225/12   | 2   | room temperature   |                        |
| N                 | F23N2225/13   | 2   | outdoor temperature  |                        |
| N                 | F23N2225/14   | 2   | Ambient temperature around burners   |                        |
| N                 | F23N2225/16   | 2   | burner temperature   |                        |
| N                 | F23N2225/18   | 2   | feedwater temperature  |                        |
| N                 | F23N2225/19   | 2   | outlet temperature water heat-exchanger  |                        |
| N                 | F23N2225/20   | 2   | entrant temperature  |                        |
| N                 | F23N2225/21   | 2   | outlet temperature   |                        |
| N                 | F23N2225/22   | 1   | heat losses  |                        |
| N                 | F23N2225/24   | 2   | indicated in an amount of money  |                        |
| N                 | F23N2225/26   | 1   | humidity   |                        |
| N                 | F23N2225/30   | 2   | measuring lambda   |                        |
| N                 | F23N2227/00   | 0   | Ignition or checking   |                        |
| N                 | F23N2227/02   | 1   | Starting or ignition cycles  |                        |
| N                 | F23N2227/04   | 1   | Prepurge   |                        |
| N                 | F23N2227/06   | 1   | Postpurge  |                        |
| N                 | F23N2227/08   | 1   | Hold fire apparatus  |                        |
| N                 | F23N2227/10   | 1   | Sequential burner running  |                        |
| N                 | F23N2227/12   | 1   | Burner simulation or checking  |                        |
| N                 | F23N2227/14   | 2   | Flame simulation   |                        |
| N                 | F23N2227/16   | 2   | Checking components, e.g. electronic   |                        |
| N                 | F23N2227/18   | 1   | Applying test signals, e.g. periodic   |                        |
| N                 | F23N2227/20   | 1   | Calibrating devices  |                        |
| N                 | F23N2227/22   | 1   | Pilot burners  |                        |
| N                 | F23N2227/24   | 2   | the pilot burner not burning continuously  |                        |
| N                 | F23N2227/26   | 2   | comprising two or more distinct pilot burners  |                        |
| N                 | F23N2227/28   | 1   | Ignition circuits  |                        |
| N                 | F23N2227/30   | 2   | for pilot burners  |                        |

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|-------------------|---------------|---|--|-----------------------------------|
| N                 | F23N2227/32   | 1   | Igniting for a predetermined number of cycles  |                                   |
| N                 | F23N2227/34   | 1   | Continuously applied ignition cycles   |                                   |
| N                 | F23N2227/36   | 1   | Spark ignition, e.g. by means of a high voltage  |                                   |
| N                 | F23N2227/38   | 1   | Electrical resistance ignition   |                                   |
| N                 | F23N2227/40   | 1   | Catalytic ignition   |                                   |
| N                 | F23N2227/42   | 1   | Ceramic glow ignition  |                                   |
| N                 | F23N2229/00   | 0   | Flame sensors  |                                   |
| N                 | F23N2229/02   | 1   | Pilot flame sensors  |                                   |
| N                 | F23N2229/04   | 1   | sensitive to the colour of flames  |                                   |
| N                 | F23N2229/06   | 1   | with periodical shutters; Modulation signals   |                                   |
| N                 | F23N2229/08   | 1   | detecting flame flicker  |                                   |
| N                 | F23N2229/10   | 1   | comprising application of periodical fuel flow fluctuations  |                                   |
| N                 | F23N2229/12   | 1   | with flame rectification current detecting means   |                                   |
| N                 | F23N2229/14   | 1   | using two or more different types of flame sensor  |                                   |
| N                 | F23N2229/16   | 1   | using two or more of the same types of flame sensor  |                                   |
| N                 | F23N2229/18   | 1   | Flame sensor cooling means   |                                   |
| N                 | F23N2229/20   | 1   | Camera viewing   |                                   |
| N                 | F23N2229/22   | 1   | the sensor's sensitivity being variable  |                                   |
| N                 | F23N2231/00   | 0   | Fail safe  |                                   |
| N                 | F23N2231/02   | 1   | using electric energy accumulators   |                                   |
| N                 | F23N2231/04   | 1   | for electrical power failures  |                                   |
| N                 | F23N2231/06   | 1   | for flame failures   |                                   |
| N                 | F23N2231/08   | 2   | for pilot flame failures   |                                   |
| N                 | F23N2231/10   | 1   | for component failures   |                                   |
| N                 | F23N2231/12   | 1   | for ignition failures  |                                   |
| N                 | F23N2231/14   | 1   | for earthquakes  |                                   |
| N                 | F23N2231/16   | 1   | using melting materials or shape memory alloys   |                                   |
| N                 | F23N2231/18   | 1   | Detecting fluid leaks  |                                   |
| N                 | F23N2231/20   | 1   | Warning devices  |                                   |
| N                 | F23N2231/22   | 2   | using warning lamps  |                                   |
| N                 | F23N2231/24   | 1   | Freezing   |                                   |
| N                 | F23N2231/26   | 1   | for clogging air inlet   |                                   |
| N                 | F23N2231/28   | 1   | preventing flash-back or blow-back   |                                   |
| N                 | F23N2231/30   | 1   | Representation of working time   |                                   |
| N                 | F23N2233/00   | 0   | Ventilators  |                                   |
| N                 | F23N2233/02   | 1   | in stacks  |                                   |
| N                 | F23N2233/04   | 2   | with variable speed  |                                   |
| N                 | F23N2233/06   | 1   | at the air intake  |                                   |
| N                 | F23N2233/08   | 2   | with variable speed  |                                   |

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|-------------------|---------------|---|--|-----------------------------------|
| N                 | F23N2233/10   | 1   | forcing air through heat exchangers  |                                   |
| N                 | F23N2235/00   | 0   | Valves, nozzles or pumps   |                                   |
| N                 | F23N2235/02   | 1   | Air or combustion gas valves or dampers  |                                   |
| N                 | F23N2235/04   | 2   | in stacks  |                                   |
| N                 | F23N2235/06   | 2   | at the air intake  |                                   |
| N                 | F23N2235/08   | 2   | used with heat exchanges   |                                   |
| N                 | F23N2235/10   | 2   | power assisted, e.g. using electric motors   |                                   |
| N                 | F23N2235/12   | 1   | Fuel valves  |                                   |
| N                 | F23N2235/14   | 2   | electromagnetically operated   |                                   |
| N                 | F23N2235/16   | 2   | variable flow or proportional valves   |                                   |
| N                 | F23N2235/18   | 2   | Groups of two or more valves   |                                   |
| N                 | F23N2235/20   | 2   | Membrane valves  |                                   |
| N                 | F23N2235/22   | 2   | cooperating with magnets   |                                   |
| N                 | F23N2235/24   | 2   | Valve details  |                                   |
| N                 | F23N2235/26   | 1   | Fuel nozzles   |                                   |
| N                 | F23N2235/28   | 2   | Spray fuel nozzles   |                                   |
| N                 | F23N2235/30   | 1   | Pumps  |                                   |
| N                 | F23N2237/00   | 0   | Controlling  |                                   |
| N                 | F23N2237/02   | 1   | two or more burners  |                                   |
| N                 | F23N2237/04   | 1   | at two or more different localities  |                                   |
| N                 | F23N2237/06   | 1   | two predetermining temperatures, e.g. day-<br>night  |                                   |
| N                 | F23N2237/08   | 1   | two or more different types of fuel<br>simultaneously  |                                   |
| N                 | F23N2237/10   | 1   | High or low fire   |                                   |
| N                 | F23N2237/12   | 1   | catalytic burners  |                                   |
| N                 | F23N2237/14   | 1   | burners with gasification or vaporizer<br>elements   |                                   |
| N                 | F23N2237/16   | 1   | secondary air  |                                   |
| N                 | F23N2237/18   | 1   | fluidized bed burners  |                                   |
| N                 | F23N2237/20   | 1   | one or more bypass conduits  |                                   |
| N                 | F23N2237/22   | 1   | water injection  |                                   |
| N                 | F23N2237/24   | 1   | height of burner   |                                   |
| N                 | F23N2237/26   | 2   | oxygen-air ratio   |                                   |
| N                 | F23N2237/28   | 2   | oxygen as pure oxydant   |                                   |
| N                 | F23N2237/30   | 2   | matrix burners   |                                   |
| N                 | F23N2237/32   | 2   | Nox  |                                   |
| N                 | F23N2239/00   | 0   | Fuels  |                                   |
| N                 | F23N2239/02   | 1   | Solid fuels  |                                   |
| N                 | F23N2239/04   | 1   | Gaseous fuels  |                                   |
| N                 | F23N2239/06   | 1   | Liquid fuels   |                                   |
| N                 | F23N2241/00   | 0   | Applications   |                                   |
| N                 | F23N2241/02   | 1   | Space-heating  |                                   |
| N                 | F23N2241/04   | 1   | Heating water  |                                   |
| N                 | F23N2241/06   | 1   | Space-heating and heating water  |                                   |
| N                 | F23N2241/08   | 1   | Household apparatus  |                                   |

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|---------------|---------------|---|--|-----------------------------------|
| N             | F23N2241/10   | 1   | Generating vapour  |                                   |
| N             | F23N2241/11   | 1   | Torches  |                                   |
| N             | F23N2241/12   | 1   | Stack-torches  |                                   |
| N             | F23N2241/14   | 1   | Vehicle heating, the heat being derived otherwise than from the propulsion plant                           |                                   |
| N             | F23N2241/16   | 1   | Spectrometer burners   |                                   |
| N             | F23N2241/18   | 1   | Incinerating apparatus   |                                   |
| N             | F23N2241/20   | 1   | Gas turbines   |                                   |
| N             | F23N2241/22   | 1   | Absorption refrigerator  |                                   |

\*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T= existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

## NOTES:

- \*\*No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types.
- “Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD> , <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“Transferred to”) symbol, however it is required to specify “<no transfer>” in the “Transferred to” column for such cases.
- For finalisation projects, the deleted “F” symbols should have <no transfer> in the “Transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

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B. New, Modified or Deleted Warning(s)

**SUBCLASS F23N – REGULATING OR CONTROLLING COMBUSTION (control devices specially adapted for fluidised-bed combustion apparatus F23C 10/28; condition responsive controls for regulating combustion in domestic stoves with open fires for solid fuel F24B 1/187)**

| <b>Type*</b> | <b>Location</b> | <b>Old Warning</b>  | <b>New/Modified Warning</b> |
|--------------|-----------------|---|-----------------------------|
| D            | F23N            | In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme. |                             |



## 2. A. DEFINITIONS (new)

Insert: The following new Definitions.

### F23N 5/12

#### *Informative references*

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

|   |                             |
|---|-----------------------------|
| Testing of other ignition means, e.g. flame                   | <a href="#">F02P 17/12</a>  |
| Analysing gases by investigating the ionisation by using heat | <a href="#">G01N 27/626</a> |

### F23N 2227/22

#### *Informative references*

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

|                            |                              |
|----------------------------|------------------------------|
| Ignition circuits therefor | <a href="#">F23N 2227/32</a> |
|----------------------------|------------------------------|

### F23N 2237/00

#### *Informative references*

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

|                                    |                           |
|------------------------------------|---------------------------|
| Systems for controlling combustion | <a href="#">F23N 5/00</a> |
|------------------------------------|---------------------------|

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2. B. DEFINITIONS QUICK FIX

| <u>Symbol</u> | <u>Location of change</u><br>(e.g., section title) | <u>Existing reference symbol or text</u> | <u>Action; New symbol; New text</u>  |
|---------------|--|--|--|
| F23N          | Special rules of classification                    | F23N 2041/22                             | <p><u>Replace:</u> The existing symbol F23N2041/22 with the new symbol <b>F23N2241/22</b> so that the second paragraph within the Special rules of classification section reads as follows.</p> <p>When classifying in this subgroup, add the Indexing Codes F23N1/00 - <b>F23N2241/22</b> and F23N2900/00 - F23N2900/05181.</p> |

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.

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3. REVISION CONCORDANCE LIST (RCL)

| <b>Type*</b> | <b>From CPC Symbol<br/>(existing)</b> | <b>To CPC Symbol(s)</b>                   |
|--------------|---------------------------------------|---|
| D            | F23N 2021/00                          | <Administrative transfer to F23N 2221/00> |
| D            | F23N 2021/02                          | <Administrative transfer to F23N 2221/02> |
| D            | F23N 2021/04                          | <Administrative transfer to F23N 2221/04> |
| D            | F23N 2021/06                          | <Administrative transfer to F23N 2221/06> |
| D            | F23N 2021/08                          | <Administrative transfer to F23N 2221/08> |
| D            | F23N 2021/10                          | <Administrative transfer to F23N 2221/10> |
| D            | F23N 2021/12                          | <Administrative transfer to F23N 2221/12> |
| D            | F23N 2023/00                          | <Administrative transfer to F23N 2223/00> |
| D            | F23N 2023/02                          | <Administrative transfer to F23N 2223/02> |
| D            | F23N 2023/04                          | <Administrative transfer to F23N 2223/04> |
| D            | F23N 2023/06                          | <Administrative transfer to F23N 2223/06> |
| D            | F23N 2023/08                          | <Administrative transfer to F23N 2223/08> |
| D            | F23N 2023/10                          | <Administrative transfer to F23N 2223/10> |
| D            | F23N 2023/12                          | <Administrative transfer to F23N 2223/12> |
| D            | F23N 2023/14                          | <Administrative transfer to F23N 2223/14> |
| D            | F23N 2023/16                          | <Administrative transfer to F23N 2223/16> |
| D            | F23N 2023/18                          | <Administrative transfer to F23N 2223/18> |
| D            | F23N 2023/20                          | <Administrative transfer to F23N 2223/20> |
| D            | F23N 2023/22                          | <Administrative transfer to F23N 2223/22> |
| D            | F23N 2023/24                          | <Administrative transfer to F23N 2223/24> |
| D            | F23N 2023/26                          | <Administrative transfer to F23N 2223/26> |
| D            | F23N 2023/28                          | <Administrative transfer to F23N 2223/28> |
| D            | F23N 2023/30                          | <Administrative transfer to F23N 2223/30> |
| D            | F23N 2023/32                          | <Administrative transfer to F23N 2223/32> |
| D            | F23N 2023/34                          | <Administrative transfer to F23N 2223/34> |
| D            | F23N 2023/36                          | <Administrative transfer to F23N 2223/36> |
| D            | F23N 2023/38                          | <Administrative transfer to F23N 2223/38> |
| D            | F23N 2023/40                          | <Administrative transfer to F23N 2223/40> |
| D            | F23N 2023/42                          | <Administrative transfer to F23N 2223/42> |
| D            | F23N 2023/44                          | <Administrative transfer to F23N 2223/44> |
| D            | F23N 2023/46                          | <Administrative transfer to F23N 2223/46> |
| D            | F23N 2023/48                          | <Administrative transfer to F23N 2223/48> |
| D            | F23N 2023/50                          | <Administrative transfer to F23N 2223/50> |
| D            | F23N 2023/52                          | <Administrative transfer to F23N 2223/52> |
| D            | F23N 2023/54                          | <Administrative transfer to F23N 2223/54> |
| D            | F23N 2025/00                          | <Administrative transfer to F23N 2225/00> |
| D            | F23N 2025/02                          | <Administrative transfer to F23N 2225/02> |
| D            | F23N 2025/04                          | <Administrative transfer to F23N 2225/04> |
| D            | F23N 2025/06                          | <Administrative transfer to F23N 2225/06> |
| D            | F23N 2025/08                          | <Administrative transfer to F23N 2225/08> |
| D            | F23N 2025/10                          | <Administrative transfer to F23N 2225/10> |
| D            | F23N 2025/12                          | <Administrative transfer to F23N 2225/12> |
| D            | F23N 2025/13                          | <Administrative transfer to F23N 2225/13> |
| D            | F23N 2025/14                          | <Administrative transfer to F23N 2225/14> |
| D            | F23N 2025/16                          | <Administrative transfer to F23N 2225/16> |
| D            | F23N 2025/18                          | <Administrative transfer to F23N 2225/18> |
| D            | F23N 2025/19                          | <Administrative transfer to F23N 2225/19> |

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| <b>Type*</b> | <b>From CPC Symbol<br/>(existing)</b> | <b>To CPC Symbol(s)</b>                   |
|--------------|---------------------------------------|---|
| D            | F23N 2025/20                          | <Administrative transfer to F23N 2225/20> |
| D            | F23N 2025/21                          | <Administrative transfer to F23N 2225/21> |
| D            | F23N 2025/22                          | <Administrative transfer to F23N 2225/22> |
| D            | F23N 2025/24                          | <Administrative transfer to F23N 2225/24> |
| D            | F23N 2025/26                          | <Administrative transfer to F23N 2225/26> |
| D            | F23N 2025/30                          | <Administrative transfer to F23N 2225/30> |
| D            | F23N 2027/00                          | <Administrative transfer to F23N 2227/00> |
| D            | F23N 2027/02                          | <Administrative transfer to F23N 2227/02> |
| D            | F23N 2027/04                          | <Administrative transfer to F23N 2227/04> |
| D            | F23N 2027/06                          | <Administrative transfer to F23N 2227/06> |
| D            | F23N 2027/08                          | <Administrative transfer to F23N 2227/08> |
| D            | F23N 2027/10                          | <Administrative transfer to F23N 2227/10> |
| D            | F23N 2027/12                          | <Administrative transfer to F23N 2227/12> |
| D            | F23N 2027/14                          | <Administrative transfer to F23N 2227/14> |
| D            | F23N 2027/16                          | <Administrative transfer to F23N 2227/16> |
| D            | F23N 2027/18                          | <Administrative transfer to F23N 2227/18> |
| D            | F23N 2027/20                          | <Administrative transfer to F23N 2227/20> |
| D            | F23N 2027/22                          | <Administrative transfer to F23N 2227/22> |
| D            | F23N 2027/24                          | <Administrative transfer to F23N 2227/24> |
| D            | F23N 2027/26                          | <Administrative transfer to F23N 2227/26> |
| D            | F23N 2027/28                          | <Administrative transfer to F23N 2227/28> |
| D            | F23N 2027/30                          | <Administrative transfer to F23N 2227/30> |
| D            | F23N 2027/32                          | <Administrative transfer to F23N 2227/32> |
| D            | F23N 2027/34                          | <Administrative transfer to F23N 2227/34> |
| D            | F23N 2027/36                          | <Administrative transfer to F23N 2227/36> |
| D            | F23N 2027/38                          | <Administrative transfer to F23N 2227/38> |
| D            | F23N 2027/40                          | <Administrative transfer to F23N 2227/40> |
| D            | F23N 2027/42                          | <Administrative transfer to F23N 2227/42> |
| D            | F23N 2029/00                          | <Administrative transfer to F23N 2229/00> |
| D            | F23N 2029/02                          | <Administrative transfer to F23N 2229/02> |
| D            | F23N 2029/04                          | <Administrative transfer to F23N 2229/04> |
| D            | F23N 2029/06                          | <Administrative transfer to F23N 2229/06> |
| D            | F23N 2029/08                          | <Administrative transfer to F23N 2229/08> |
| D            | F23N 2029/10                          | <Administrative transfer to F23N 2229/10> |
| D            | F23N 2029/12                          | <Administrative transfer to F23N 2229/12> |
| D            | F23N 2029/14                          | <Administrative transfer to F23N 2229/14> |
| D            | F23N 2029/16                          | <Administrative transfer to F23N 2229/16> |
| D            | F23N 2029/18                          | <Administrative transfer to F23N 2229/18> |
| D            | F23N 2029/20                          | <Administrative transfer to F23N 2229/20> |
| D            | F23N 2029/22                          | <Administrative transfer to F23N 2229/22> |
| D            | F23N 2031/00                          | <Administrative transfer to F23N 2231/00> |
| D            | F23N 2031/02                          | <Administrative transfer to F23N 2231/02> |
| D            | F23N 2031/04                          | <Administrative transfer to F23N 2231/04> |
| D            | F23N 2031/06                          | <Administrative transfer to F23N 2231/06> |
| D            | F23N 2031/08                          | <Administrative transfer to F23N 2231/08> |
| D            | F23N 2031/10                          | <Administrative transfer to F23N 2231/10> |
| D            | F23N 2031/12                          | <Administrative transfer to F23N 2231/12> |
| D            | F23N 2031/14                          | <Administrative transfer to F23N 2231/14> |
| D            | F23N 2031/16                          | <Administrative transfer to F23N 2231/16> |
| D            | F23N 2031/18                          | <Administrative transfer to F23N 2231/18> |

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| <b>Type*</b> | <b>From CPC Symbol<br/>(existing)</b> | <b>To CPC Symbol(s)</b>                   |
|--------------|---------------------------------------|---|
| D            | F23N 2031/20                          | <Administrative transfer to F23N 2231/20> |
| D            | F23N 2031/22                          | <Administrative transfer to F23N 2231/22> |
| D            | F23N 2031/24                          | <Administrative transfer to F23N 2231/24> |
| D            | F23N 2031/26                          | <Administrative transfer to F23N 2231/26> |
| D            | F23N 2031/28                          | <Administrative transfer to F23N 2231/28> |
| D            | F23N 2031/30                          | <Administrative transfer to F23N 2231/30> |
| D            | F23N 2033/00                          | <Administrative transfer to F23N 2233/00> |
| D            | F23N 2033/02                          | <Administrative transfer to F23N 2233/02> |
| D            | F23N 2033/04                          | <Administrative transfer to F23N 2233/04> |
| D            | F23N 2033/06                          | <Administrative transfer to F23N 2233/06> |
| D            | F23N 2033/08                          | <Administrative transfer to F23N 2233/08> |
| D            | F23N 2033/10                          | <Administrative transfer to F23N 2233/10> |
| D            | F23N 2035/00                          | <Administrative transfer to F23N 2235/00> |
| D            | F23N 2035/02                          | <Administrative transfer to F23N 2235/02> |
| D            | F23N 2035/04                          | <Administrative transfer to F23N 2235/04> |
| D            | F23N 2035/06                          | <Administrative transfer to F23N 2235/06> |
| D            | F23N 2035/08                          | <Administrative transfer to F23N 2235/08> |
| D            | F23N 2035/10                          | <Administrative transfer to F23N 2235/10> |
| D            | F23N 2035/12                          | <Administrative transfer to F23N 2235/12> |
| D            | F23N 2035/14                          | <Administrative transfer to F23N 2235/14> |
| D            | F23N 2035/16                          | <Administrative transfer to F23N 2235/16> |
| D            | F23N 2035/18                          | <Administrative transfer to F23N 2235/18> |
| D            | F23N 2035/20                          | <Administrative transfer to F23N 2235/20> |
| D            | F23N 2035/22                          | <Administrative transfer to F23N 2235/22> |
| D            | F23N 2035/24                          | <Administrative transfer to F23N 2235/24> |
| D            | F23N 2035/26                          | <Administrative transfer to F23N 2235/26> |
| D            | F23N 2035/28                          | <Administrative transfer to F23N 2235/28> |
| D            | F23N 2035/30                          | <Administrative transfer to F23N 2235/30> |
| D            | F23N 2037/00                          | <Administrative transfer to F23N 2237/00> |
| D            | F23N 2037/02                          | <Administrative transfer to F23N 2237/02> |
| D            | F23N 2037/04                          | <Administrative transfer to F23N 2237/04> |
| D            | F23N 2037/06                          | <Administrative transfer to F23N 2237/06> |
| D            | F23N 2037/08                          | <Administrative transfer to F23N 2237/08> |
| D            | F23N 2037/10                          | <Administrative transfer to F23N 2237/10> |
| D            | F23N 2037/12                          | <Administrative transfer to F23N 2237/12> |
| D            | F23N 2037/14                          | <Administrative transfer to F23N 2237/14> |
| D            | F23N 2037/16                          | <Administrative transfer to F23N 2237/16> |
| D            | F23N 2037/18                          | <Administrative transfer to F23N 2237/18> |
| D            | F23N 2037/20                          | <Administrative transfer to F23N 2237/20> |
| D            | F23N 2037/22                          | <Administrative transfer to F23N 2237/22> |
| D            | F23N 2037/24                          | <Administrative transfer to F23N 2237/24> |
| D            | F23N 2037/26                          | <Administrative transfer to F23N 2237/26> |
| D            | F23N 2037/28                          | <Administrative transfer to F23N 2237/28> |
| D            | F23N 2037/30                          | <Administrative transfer to F23N 2237/30> |
| D            | F23N 2037/32                          | <Administrative transfer to F23N 2237/32> |
| D            | F23N 2039/00                          | <Administrative transfer to F23N 2239/00> |
| D            | F23N 2039/02                          | <Administrative transfer to F23N 2239/02> |
| D            | F23N 2039/04                          | <Administrative transfer to F23N 2239/04> |
| D            | F23N 2039/06                          | <Administrative transfer to F23N 2239/06> |
| D            | F23N 2041/00                          | <Administrative transfer to F23N 2241/00> |

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| <b>Type*</b> | <b>From CPC Symbol<br/>(existing)</b> | <b>To CPC Symbol(s)</b>                   |
|--------------|---------------------------------------|---|
| D            | F23N 2041/02                          | <Administrative transfer to F23N 2241/02> |
| D            | F23N 2041/04                          | <Administrative transfer to F23N 2241/04> |
| D            | F23N 2041/06                          | <Administrative transfer to F23N 2241/06> |
| D            | F23N 2041/08                          | <Administrative transfer to F23N 2241/08> |
| D            | F23N 2041/10                          | <Administrative transfer to F23N 2241/10> |
| D            | F23N 2041/11                          | <Administrative transfer to F23N 2241/11> |
| D            | F23N 2041/12                          | <Administrative transfer to F23N 2241/12> |
| D            | F23N 2041/14                          | <Administrative transfer to F23N 2241/14> |
| D            | F23N 2041/16                          | <Administrative transfer to F23N 2241/16> |
| D            | F23N 2041/18                          | <Administrative transfer to F23N 2241/18> |
| D            | F23N 2041/20                          | <Administrative transfer to F23N 2241/20> |
| D            | F23N 2041/22                          | <Administrative transfer to F23N 2241/22> |

\* 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.

NOTES:

- Only C, D, F, and Q type entries are included in the table above.
- When multiple symbols are included in the “To” column, do not use ranges of symbols.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“To”) symbol, however it is required to specify “<no transfer>” in the “To” column for such cases.
- RCL is not needed for finalisation projects.

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

| <u>CPC</u>   | <u>IPC</u> | <u>Action*</u> |
|--------------|------------|----------------|
| F23N 2021/00 |            | DELETE         |
| F23N 2021/02 |            | DELETE         |
| F23N 2021/04 |            | DELETE         |
| F23N 2021/06 |            | DELETE         |
| F23N 2021/08 |            | DELETE         |
| F23N 2021/10 |            | DELETE         |
| F23N 2021/12 |            | DELETE         |
| F23N 2023/00 |            | DELETE         |
| F23N 2023/02 |            | DELETE         |
| F23N 2023/04 |            | DELETE         |
| F23N 2023/06 |            | DELETE         |
| F23N 2023/08 |            | DELETE         |
| F23N 2023/10 |            | DELETE         |
| F23N 2023/12 |            | DELETE         |
| F23N 2023/14 |            | DELETE         |
| F23N 2023/16 |            | DELETE         |
| F23N 2023/18 |            | DELETE         |
| F23N 2023/20 |            | DELETE         |
| F23N 2023/22 |            | DELETE         |
| F23N 2023/24 |            | DELETE         |
| F23N 2023/26 |            | DELETE         |
| F23N 2023/28 |            | DELETE         |
| F23N 2023/30 |            | DELETE         |
| F23N 2023/32 |            | DELETE         |
| F23N 2023/34 |            | DELETE         |
| F23N 2023/36 |            | DELETE         |
| F23N 2023/38 |            | DELETE         |
| F23N 2023/40 |            | DELETE         |
| F23N 2023/42 |            | DELETE         |
| F23N 2023/44 |            | DELETE         |
| F23N 2023/46 |            | DELETE         |
| F23N 2023/48 |            | DELETE         |
| F23N 2023/50 |            | DELETE         |
| F23N 2023/52 |            | DELETE         |
| F23N 2023/54 |            | DELETE         |
| F23N 2025/00 |            | DELETE         |
| F23N 2025/02 |            | DELETE         |
| F23N 2025/04 |            | DELETE         |
| F23N 2025/06 |            | DELETE         |
| F23N 2025/08 |            | DELETE         |
| F23N 2025/10 |            | DELETE         |
| F23N 2025/12 |            | DELETE         |

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| <u>CPC</u>   | <u>IPC</u> | <u>Action*</u> |
|--------------|------------|----------------|
| F23N 2025/13 |            | DELETE         |
| F23N 2025/14 |            | DELETE         |
| F23N 2025/16 |            | DELETE         |
| F23N 2025/18 |            | DELETE         |
| F23N 2025/19 |            | DELETE         |
| F23N 2025/20 |            | DELETE         |
| F23N 2025/21 |            | DELETE         |
| F23N 2025/22 |            | DELETE         |
| F23N 2025/24 |            | DELETE         |
| F23N 2025/26 |            | DELETE         |
| F23N 2025/30 |            | DELETE         |
| F23N 2027/00 |            | DELETE         |
| F23N 2027/02 |            | DELETE         |
| F23N 2027/04 |            | DELETE         |
| F23N 2027/06 |            | DELETE         |
| F23N 2027/08 |            | DELETE         |
| F23N 2027/10 |            | DELETE         |
| F23N 2027/12 |            | DELETE         |
| F23N 2027/14 |            | DELETE         |
| F23N 2027/16 |            | DELETE         |
| F23N 2027/18 |            | DELETE         |
| F23N 2027/20 |            | DELETE         |
| F23N 2027/22 |            | DELETE         |
| F23N 2027/24 |            | DELETE         |
| F23N 2027/26 |            | DELETE         |
| F23N 2027/28 |            | DELETE         |
| F23N 2027/30 |            | DELETE         |
| F23N 2027/32 |            | DELETE         |
| F23N 2027/34 |            | DELETE         |
| F23N 2027/36 |            | DELETE         |
| F23N 2027/38 |            | DELETE         |
| F23N 2027/40 |            | DELETE         |
| F23N 2027/42 |            | DELETE         |
| F23N 2029/00 |            | DELETE         |
| F23N 2029/02 |            | DELETE         |
| F23N 2029/04 |            | DELETE         |
| F23N 2029/06 |            | DELETE         |
| F23N 2029/08 |            | DELETE         |
| F23N 2029/10 |            | DELETE         |
| F23N 2029/12 |            | DELETE         |
| F23N 2029/14 |            | DELETE         |
| F23N 2029/16 |            | DELETE         |
| F23N 2029/18 |            | DELETE         |
| F23N 2029/20 |            | DELETE         |
| F23N 2029/22 |            | DELETE         |



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| <u>CPC</u>   | <u>IPC</u> | <u>Action*</u> |
|--------------|------------|----------------|
| F23N 2031/00 |            | DELETE         |
| F23N 2031/02 |            | DELETE         |
| F23N 2031/04 |            | DELETE         |
| F23N 2031/06 |            | DELETE         |
| F23N 2031/08 |            | DELETE         |
| F23N 2031/10 |            | DELETE         |
| F23N 2031/12 |            | DELETE         |
| F23N 2031/14 |            | DELETE         |
| F23N 2031/16 |            | DELETE         |
| F23N 2031/18 |            | DELETE         |
| F23N 2031/20 |            | DELETE         |
| F23N 2031/22 |            | DELETE         |
| F23N 2031/24 |            | DELETE         |
| F23N 2031/26 |            | DELETE         |
| F23N 2031/28 |            | DELETE         |
| F23N 2031/30 |            | DELETE         |
| F23N 2033/00 |            | DELETE         |
| F23N 2033/02 |            | DELETE         |
| F23N 2033/04 |            | DELETE         |
| F23N 2033/06 |            | DELETE         |
| F23N 2033/08 |            | DELETE         |
| F23N 2033/10 |            | DELETE         |
| F23N 2035/00 |            | DELETE         |
| F23N 2035/02 |            | DELETE         |
| F23N 2035/04 |            | DELETE         |
| F23N 2035/06 |            | DELETE         |
| F23N 2035/08 |            | DELETE         |
| F23N 2035/10 |            | DELETE         |
| F23N 2035/12 |            | DELETE         |
| F23N 2035/14 |            | DELETE         |
| F23N 2035/16 |            | DELETE         |
| F23N 2035/18 |            | DELETE         |
| F23N 2035/20 |            | DELETE         |
| F23N 2035/22 |            | DELETE         |
| F23N 2035/24 |            | DELETE         |
| F23N 2035/26 |            | DELETE         |
| F23N 2035/28 |            | DELETE         |
| F23N 2035/30 |            | DELETE         |
| F23N 2037/00 |            | DELETE         |
| F23N 2037/02 |            | DELETE         |
| F23N 2037/04 |            | DELETE         |
| F23N 2037/06 |            | DELETE         |
| F23N 2037/08 |            | DELETE         |
| F23N 2037/10 |            | DELETE         |
| F23N 2037/12 |            | DELETE         |

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| <u>CPC</u>   | <u>IPC</u> | <u>Action*</u> |
|--------------|------------|----------------|
| F23N 2037/14 |            | DELETE         |
| F23N 2037/16 |            | DELETE         |
| F23N 2037/18 |            | DELETE         |
| F23N 2037/20 |            | DELETE         |
| F23N 2037/22 |            | DELETE         |
| F23N 2037/24 |            | DELETE         |
| F23N 2037/26 |            | DELETE         |
| F23N 2037/28 |            | DELETE         |
| F23N 2037/30 |            | DELETE         |
| F23N 2037/32 |            | DELETE         |
| F23N 2039/00 |            | DELETE         |
| F23N 2039/02 |            | DELETE         |
| F23N 2039/04 |            | DELETE         |
| F23N 2039/06 |            | DELETE         |
| F23N 2041/00 |            | DELETE         |
| F23N 2041/02 |            | DELETE         |
| F23N 2041/04 |            | DELETE         |
| F23N 2041/06 |            | DELETE         |
| F23N 2041/08 |            | DELETE         |
| F23N 2041/10 |            | DELETE         |
| F23N 2041/11 |            | DELETE         |
| F23N 2041/12 |            | DELETE         |
| F23N 2041/14 |            | DELETE         |
| F23N 2041/16 |            | DELETE         |
| F23N 2041/18 |            | DELETE         |
| F23N 2041/20 |            | DELETE         |
| F23N 2041/22 |            | DELETE         |
| F23N 2221/00 | CPCONLY    | NEW            |
| F23N 2221/02 | CPCONLY    | NEW            |
| F23N 2221/04 | CPCONLY    | NEW            |
| F23N 2221/06 | CPCONLY    | NEW            |
| F23N 2221/08 | CPCONLY    | NEW            |
| F23N 2221/10 | CPCONLY    | NEW            |
| F23N 2221/12 | CPCONLY    | NEW            |
| F23N 2223/00 | CPCONLY    | NEW            |
| F23N 2223/02 | CPCONLY    | NEW            |
| F23N 2223/04 | CPCONLY    | NEW            |
| F23N 2223/06 | CPCONLY    | NEW            |
| F23N 2223/08 | CPCONLY    | NEW            |
| F23N 2223/10 | CPCONLY    | NEW            |
| F23N 2223/12 | CPCONLY    | NEW            |
| F23N 2223/14 | CPCONLY    | NEW            |
| F23N 2223/16 | CPCONLY    | NEW            |
| F23N 2223/18 | CPCONLY    | NEW            |
| F23N 2223/20 | CPCONLY    | NEW            |

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|-------------------|-------------------|-----------------------|
| F23N 2223/22      | CPCONLY           | NEW                   |
| F23N 2223/24      | CPCONLY           | NEW                   |
| F23N 2223/26      | CPCONLY           | NEW                   |
| F23N 2223/28      | CPCONLY           | NEW                   |
| F23N 2223/30      | CPCONLY           | NEW                   |
| F23N 2223/32      | CPCONLY           | NEW                   |
| F23N 2223/34      | CPCONLY           | NEW                   |
| F23N 2223/36      | CPCONLY           | NEW                   |
| F23N 2223/38      | CPCONLY           | NEW                   |
| F23N 2223/40      | CPCONLY           | NEW                   |
| F23N 2223/42      | CPCONLY           | NEW                   |
| F23N 2223/44      | CPCONLY           | NEW                   |
| F23N 2223/46      | CPCONLY           | NEW                   |
| F23N 2223/48      | CPCONLY           | NEW                   |
| F23N 2223/50      | CPCONLY           | NEW                   |
| F23N 2223/52      | CPCONLY           | NEW                   |
| F23N 2223/54      | CPCONLY           | NEW                   |
| F23N 2225/00      | CPCONLY           | NEW                   |
| F23N 2225/02      | CPCONLY           | NEW                   |
| F23N 2225/04      | CPCONLY           | NEW                   |
| F23N 2225/06      | CPCONLY           | NEW                   |
| F23N 2225/08      | CPCONLY           | NEW                   |
| F23N 2225/10      | CPCONLY           | NEW                   |
| F23N 2225/12      | CPCONLY           | NEW                   |
| F23N 2225/13      | CPCONLY           | NEW                   |
| F23N 2225/14      | CPCONLY           | NEW                   |
| F23N 2225/16      | CPCONLY           | NEW                   |
| F23N 2225/18      | CPCONLY           | NEW                   |
| F23N 2225/19      | CPCONLY           | NEW                   |
| F23N 2225/20      | CPCONLY           | NEW                   |
| F23N 2225/21      | CPCONLY           | NEW                   |
| F23N 2225/22      | CPCONLY           | NEW                   |
| F23N 2225/24      | CPCONLY           | NEW                   |
| F23N 2225/26      | CPCONLY           | NEW                   |
| F23N 2225/30      | CPCONLY           | NEW                   |
| F23N 2227/00      | CPCONLY           | NEW                   |
| F23N 2227/02      | CPCONLY           | NEW                   |
| F23N 2227/04      | CPCONLY           | NEW                   |
| F23N 2227/06      | CPCONLY           | NEW                   |
| F23N 2227/08      | CPCONLY           | NEW                   |
| F23N 2227/10      | CPCONLY           | NEW                   |
| F23N 2227/12      | CPCONLY           | NEW                   |
| F23N 2227/14      | CPCONLY           | NEW                   |
| F23N 2227/16      | CPCONLY           | NEW                   |
| F23N 2227/18      | CPCONLY           | NEW                   |

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|--------------|------------|----------------|
| F23N 2227/20 | CPCONLY    | NEW            |
| F23N 2227/22 | CPCONLY    | NEW            |
| F23N 2227/24 | CPCONLY    | NEW            |
| F23N 2227/26 | CPCONLY    | NEW            |
| F23N 2227/28 | CPCONLY    | NEW            |
| F23N 2227/30 | CPCONLY    | NEW            |
| F23N 2227/32 | CPCONLY    | NEW            |
| F23N 2227/34 | CPCONLY    | NEW            |
| F23N 2227/36 | CPCONLY    | NEW            |
| F23N 2227/38 | CPCONLY    | NEW            |
| F23N 2227/40 | CPCONLY    | NEW            |
| F23N 2227/42 | CPCONLY    | NEW            |
| F23N 2229/00 | CPCONLY    | NEW            |
| F23N 2229/02 | CPCONLY    | NEW            |
| F23N 2229/04 | CPCONLY    | NEW            |
| F23N 2229/06 | CPCONLY    | NEW            |
| F23N 2229/08 | CPCONLY    | NEW            |
| F23N 2229/10 | CPCONLY    | NEW            |
| F23N 2229/12 | CPCONLY    | NEW            |
| F23N 2229/14 | CPCONLY    | NEW            |
| F23N 2229/16 | CPCONLY    | NEW            |
| F23N 2229/18 | CPCONLY    | NEW            |
| F23N 2229/20 | CPCONLY    | NEW            |
| F23N 2229/22 | CPCONLY    | NEW            |
| F23N 2231/00 | CPCONLY    | NEW            |
| F23N 2231/02 | CPCONLY    | NEW            |
| F23N 2231/04 | CPCONLY    | NEW            |
| F23N 2231/06 | CPCONLY    | NEW            |
| F23N 2231/08 | CPCONLY    | NEW            |
| F23N 2231/10 | CPCONLY    | NEW            |
| F23N 2231/12 | CPCONLY    | NEW            |
| F23N 2231/14 | CPCONLY    | NEW            |
| F23N 2231/16 | CPCONLY    | NEW            |
| F23N 2231/18 | CPCONLY    | NEW            |
| F23N 2231/20 | CPCONLY    | NEW            |
| F23N 2231/22 | CPCONLY    | NEW            |
| F23N 2231/24 | CPCONLY    | NEW            |
| F23N 2231/26 | CPCONLY    | NEW            |
| F23N 2231/28 | CPCONLY    | NEW            |
| F23N 2231/30 | CPCONLY    | NEW            |
| F23N 2233/00 | CPCONLY    | NEW            |
| F23N 2233/02 | CPCONLY    | NEW            |
| F23N 2233/04 | CPCONLY    | NEW            |
| F23N 2233/06 | CPCONLY    | NEW            |
| F23N 2233/08 | CPCONLY    | NEW            |

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| <u>CPC</u>   | <u>IPC</u> | <u>Action*</u> |
|--------------|------------|----------------|
| F23N 2233/10 | CPCONLY    | NEW            |
| F23N 2235/00 | CPCONLY    | NEW            |
| F23N 2235/02 | CPCONLY    | NEW            |
| F23N 2235/04 | CPCONLY    | NEW            |
| F23N 2235/06 | CPCONLY    | NEW            |
| F23N 2235/08 | CPCONLY    | NEW            |
| F23N 2235/10 | CPCONLY    | NEW            |
| F23N 2235/12 | CPCONLY    | NEW            |
| F23N 2235/14 | CPCONLY    | NEW            |
| F23N 2235/16 | CPCONLY    | NEW            |
| F23N 2235/18 | CPCONLY    | NEW            |
| F23N 2235/20 | CPCONLY    | NEW            |
| F23N 2235/22 | CPCONLY    | NEW            |
| F23N 2235/24 | CPCONLY    | NEW            |
| F23N 2235/26 | CPCONLY    | NEW            |
| F23N 2235/28 | CPCONLY    | NEW            |
| F23N 2235/30 | CPCONLY    | NEW            |
| F23N 2237/00 | CPCONLY    | NEW            |
| F23N 2237/02 | CPCONLY    | NEW            |
| F23N 2237/04 | CPCONLY    | NEW            |
| F23N 2237/06 | CPCONLY    | NEW            |
| F23N 2237/08 | CPCONLY    | NEW            |
| F23N 2237/10 | CPCONLY    | NEW            |
| F23N 2237/12 | CPCONLY    | NEW            |
| F23N 2237/14 | CPCONLY    | NEW            |
| F23N 2237/16 | CPCONLY    | NEW            |
| F23N 2237/18 | CPCONLY    | NEW            |
| F23N 2237/20 | CPCONLY    | NEW            |
| F23N 2237/22 | CPCONLY    | NEW            |
| F23N 2237/24 | CPCONLY    | NEW            |
| F23N 2237/26 | CPCONLY    | NEW            |
| F23N 2237/28 | CPCONLY    | NEW            |
| F23N 2237/30 | CPCONLY    | NEW            |
| F23N 2237/32 | CPCONLY    | NEW            |
| F23N 2239/00 | CPCONLY    | NEW            |
| F23N 2239/02 | CPCONLY    | NEW            |
| F23N 2239/04 | CPCONLY    | NEW            |
| F23N 2239/06 | CPCONLY    | NEW            |
| F23N 2241/00 | CPCONLY    | NEW            |
| F23N 2241/02 | CPCONLY    | NEW            |
| F23N 2241/04 | CPCONLY    | NEW            |
| F23N 2241/06 | CPCONLY    | NEW            |
| F23N 2241/08 | CPCONLY    | NEW            |
| F23N 2241/10 | CPCONLY    | NEW            |
| F23N 2241/11 | CPCONLY    | NEW            |

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| <u>CPC</u>   | <u>IPC</u> | <u>Action*</u> |
|--------------|------------|----------------|
| F23N 2241/12 | CPCONLY    | NEW            |
| F23N 2241/14 | CPCONLY    | NEW            |
| F23N 2241/16 | CPCONLY    | NEW            |
| F23N 2241/18 | CPCONLY    | NEW            |
| F23N 2241/20 | CPCONLY    | NEW            |
| F23N 2241/22 | CPCONLY    | NEW            |

\*Action column:

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

NOTES:

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

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5. CROSS-REFERENCE LIST (CRL)

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 1/2203                                | F23N 2041/14                                      | Informative references       | <p><u>Replace:</u> The existing symbol F23N2041/14 with the new symbol <a href="#">F23N2241/14</a> within the Informative references table so that the row reads as follows.</p> <p>Vehicle heating<br/><a href="#">F23N2241/14</a></p>   |
| F23G 5/50                                  | F23N 2041/18                                      | Special rules                | <p><u>Replace:</u> The existing symbol F23N2041/18 in the last sentence of the Special rules of classification section with the new symbol <a href="#">F23N2241/18</a> so that the text reads as follows.</p> <p>In this case code <a href="#">F23N2241/18</a> is mandatory.</p>                              |
| F23R                                       | F23N 2041/20                                      | Special rules                | <p><u>Replace:</u> The existing symbol F23N2041/20, found in the last sentence of the second paragraph of the Special rules of classification section, with the new symbol <a href="#">F23N2241/20</a> so that the text reads as follows.</p> <p>In this case, use also code <a href="#">F23N2241/20</a>.</p> |

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.

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- 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.