

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 487

DATE: JANUARY 1, 2018

PROJECT RP0503

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: | F21S | 8/10, 8/12 |
| | F21S | 48/00, 48/10, 48/11, 48/1104, 48/1109, 48/1113, 48/1118, 48/1122, 48/1127, 48/1131, 48/1136, 48/114, 48/1145, 48/115, 48/1154, 48/1159, 48/1163, 48/1168, 48/1172, 48/1177, 48/1181, 48/1186, 48/119, 48/1195, 48/12, 48/1208, 48/1216, 48/1225, 48/1233, 48/1241, 48/125, 48/1258, 48/1266, 48/1275, 48/1283, 48/1291, 48/13, 48/1305, 48/1311, 48/1317, 48/1323, 48/1329, 48/1335, 48/1341, 48/1347, 48/1352, 48/1358, 48/1364, 48/137, 48/1376, 48/1382, 48/1388, 48/1394, 48/14, 48/142, 48/145, 48/147, 48/15, 48/155, 48/17, 48/1705, 48/171, 48/1715, 48/1721, 48/1726, 48/1731, 48/1736, 48/1742, 48/1747, 48/1752, 48/1757, 48/1763, 48/1768, 48/1773, 48/1778, 48/1784, 48/1789, 48/1794, 48/20, 48/21, 48/211, 48/212, 48/214, 48/215, 48/217, 48/218, 48/22, 48/2206, 48/2212, 48/2218, 48/2225, 48/2231, 48/2237, 48/2243, 48/225, 48/2256, 48/2262, 48/2268, 48/2275, 48/2281, 48/2287, 48/2293, 48/23, 48/232, 48/234, 48/236, 48/238, 48/24, 48/25, 48/255, 48/30, 48/31, 48/32, 48/321, 48/323, 48/325, 48/326, 48/328, |

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|----------------|-----------------|--|
| | | 48/33, 48/332, 48/335, 48/337, 48/34 |
| | | |
| | F21W | 2101/00, 2101/02, 2101/023, 2101/027, 2101/04, 2101/06, 2101/08, 2101/10, 2101/12, 2101/14 |
| | | |
| Symbols New: | F21S | 41/00, 41/10, 41/12, 41/125, 41/13, 41/135, 41/14, 41/141, 41/143, 41/145, 41/147, 41/148, 41/151, 41/153, 41/155, 41/16, 41/162, 41/164, 41/166, 41/168, 41/17, 41/172, 41/173, 41/176, 41/18, 41/19, 41/192, 41/194, 41/196, 41/198, 41/20, 41/24, 41/25, 41/255, 41/26, 41/265, 41/27, 41/275, 41/28, 41/285, 41/29, 41/295, 41/30, 41/32, 41/321, 41/322, 41/323, 41/33, 41/331, 41/332, 41/333, 41/334, 41/335, 41/336, 41/337, 41/338, 41/36, 41/365, 41/37, 41/39, 41/395, 41/40, 41/43, 41/435, 41/47, 41/50, 41/55, 41/60, 41/62, 41/63, 41/635, 41/64, 41/645, 41/65, 41/657, 41/663, 41/67, 41/675, 41/68, 41/683, 41/686, 41/689, 41/692, 41/695, 41/698 |
| | | |
| | F21S | 43/00, 43/10, 43/13, 43/14, 43/145, 43/15, 43/16, 43/19, 43/195, 43/20, 43/235, 43/236, 43/237, 43/239, 43/241, 43/242, 43/243, 43/245, 43/247, 43/249, 43/251, 43/255, 43/26, 43/27, 43/30, 43/31, 43/315, 43/33, 43/37, 43/40, 43/50, 43/51 |
| | | |
| | F21S | 45/00, 45/10, 45/20, 45/30, 45/33, 45/37, 45/40, 45/42, 45/43, 45/435, 45/46, 45/465, 45/47, 45/48, 45/49, 45/50, 45/60, 45/70 |
| | | |
| | F21W | 2102/00, 2102/10, 2102/13, 2102/135, 2102/14, 2102/145, |

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| <u>Action*</u> | <u>Subclass</u> | <u>Group(s)</u> |
|-------------------|-----------------|--|
| | | 2102/15, 2102/155, 2102/16, 2102/165, 2102/17, 2102/18, 2102/19, 2102/20, 2102/30, 2102/40 |
| | | |
| | F21W | 2103/00, 2103/10, 2103/15, 2103/20, 2103/25, 2103/30, 2103/35, 2103/40, 2103/45, 2103/50, 2103/55, 2103/60 |
| | | |
| | F21W | 2104/00 |
| | F21W | 2105/00 |
| | F21W | 2106/00 |
| | F21W | 2107/00, 2107/10, 2107/13, 2107/17, 2107/20, 2107/30 |
| | | |
| Titles Changed: | F21S | SUBCLASS |
| | F21S | 8/02 |
| | F21W | 2111/00 |
| | F21W | 2121/00 |
| | F21W | 2131/00 |
| | | |
| Warnings Deleted: | F21S | 8/10, 8/12 |
| | | |
| Warnings New: | F21S | 41/00, 41/14, 41/141, 41/143, 41/145, 41/147, 41/148, 41/151, 41/153, 41/16, 41/17, 41/172, 41/176, 41/32, 41/33, 41/36, 41/365 |
| | | |
| | F21S | 43/00, 43/13, 43/16 |
| | | |
| | F21S | 45/00, 45/20, 45/43, 45/435, 45/46, 45/465, 45/47, 45/48, 45/70 |
| | | |
| | F21W | 2102/00, 2102/10, 2102/13, 2102/135, 2102/14, 2102/145, 2102/15, 2102/155, 2102/16, 2102/165, 2102/17, 2102/18, 2102/19, 2102/20, 2102/30, 2102/40 |
| | | |
| | F21W | 2103/00, 2103/10, 2103/15, 2103/20, 2103/25, 2103/30, |

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| <u>Action*</u> | <u>Subclass</u> | <u>Group(s)</u> |
|---|-----------------|---|
| | | 2103/35, 2103/40, 2103/45, 2103/50, 2103/55, 2103/60 |
| | | |
| | F21W | 2104/00 |
| | F21W | 2105/00 |
| | | |
| Notes Deleted: | F21S | 48/225 |
| Notes New: | | |
| Notes Modified: | B60Q | SUBCLASS |
| | F21S | SUBCLASS |
| Guidance Headings New: | F21S | 41/00 |
| | | |
| DEFINITIONS: | | |
| Definitions Deleted: (no frozen (F) symbol definitions should be deleted) | F21S | 8/10 |
| | F21S | 48/00 |
| Definitions Modified: | F21S | 8/02 |

The following subclasses/groups are also impacted by this Notice of Changes (indicate subclasses/groups outside of the project scope, such as those listed in the CRL):

B60K, B60Q, B61L, B62J, B63B, F21V, G02B

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 F21S - NON-PORTABLE LIGHTING DEVICES; SYSTEMS THEREOF

| <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 | F21S | subclass | NON-PORTABLE LIGHTING DEVICES; SYSTEMS THEREOF; VEHICLE LIGHTING DEVICES SPECIALLY ADAPTED FOR VEHICLE EXTERIORS | |
| M | F21S8/02 | 1 | of recess-mounted type, e.g. downlighters (specially adapted for vehicle exteriors F21S41/00-F21S45/00) | |
| D | F21S8/10 | 1 | specially adapted for vehicles | <administrative transfer to F21S43/00> |
| D | F21S8/12 | 2 | providing single shaped beams or asymmetric beams, e.g. for penetrating fog or for preventing glare | <administrative transfer to F21S41/00> |
| N | F21S41/00 | 0 | Illuminating devices specially adapted for vehicle exteriors, e.g. headlamps (reversing lights F21S 43/00) | |
| N | F21S41/10 | 1 | characterised by the light source | |
| N | F21S41/12 | 2 | characterised by the type of emitted light | |
| N | F21S41/125 | 3 | Coloured light | |
| N | F21S41/13 | 3 | Ultraviolet light; Infrared light | |
| N | F21S41/135 | 3 | Polarised | |
| Q | F21S41/14 | 2 | characterised by the type of light source | F21S41/14, F21S41/16, F21S41/176 |
| Q | F21S41/141 | 3 | Light emitting diodes [LED] | F21S41/141, F21S41/151, F21S41/153 |
| Q | F21S41/143 | 4 | the main emission direction of the LED being parallel to the optical axis of the illuminating device | F21S41/143, F21S41/145, F21S41/151, F21S41/153 |
| N | F21S41/145 | 5 | the main emission direction of the LED being opposite to the main emission direction of the illuminating device | |
| Q | F21S41/147 | 4 | the main emission direction of the LED being angled to the optical axis of the illuminating device | F21S41/147, F21S41/148, F21S41/151, F21S41/153 |
| N | F21S41/148 | 5 | the main emission direction of the LED being perpendicular to the optical axis | |
| N | F21S41/151 | 4 | arranged in one or more lines | |
| N | F21S41/153 | 5 | arranged in a matrix | |
| N | F21S41/155 | 4 | Surface emitters, e.g. organic light emitting diodes [OLED] | |

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|--------------|---------------|---|--|------------------------|
| N | F21S41/16 | 3 | Laser light sources | |
| N | F21S41/162 | 3 | Incandescent light sources, e.g. filament or halogen lamps | |
| N | F21S41/164 | 4 | having two or more filaments | |
| N | F21S41/166 | 4 | characterised by the shape of the filament | |
| N | F21S41/168 | 4 | having a filament arranged transversally to the optical axis of the illuminating device | |
| Q | F21S41/17 | 3 | Discharge light sources | F21S41/17, F21S41/172 |
| N | F21S41/172 | 4 | High-intensity discharge light sources | |
| N | F21S41/173 | 4 | Fluorescent light sources | |
| N | F21S41/176 | 3 | Light sources where the light is generated by photoluminescent material spaced from a primary light generating element | |
| N | F21S41/18 | 3 | {Combination of light sources of different types or shapes} | |
| N | F21S41/19 | 2 | Attachment of light sources or lamp holders (achieving variable light distribution by movable light sources F21S 41/657) | |
| N | F21S41/192 | 3 | {Details of lamp holders, terminals or connectors} | |
| N | F21S41/194 | 3 | {Bayonet attachments} | |
| N | F21S41/196 | 3 | {Wire spring attachments} | |
| N | F21S41/198 | 3 | {Snap-fit attachments} | |
| N | F21S41/20 | 1 | characterised by refractors, transparent cover plates, light guides or filters | |
| N | F21S41/24 | 2 | Light guides | |
| N | F21S41/25 | 2 | Projection lenses | |
| N | F21S41/255 | 3 | Lenses with a front view of circular or truncated circular outline | |
| N | F21S41/26 | 3 | Elongated lenses | |
| N | F21S41/265 | 3 | Composite lenses; Lenses with a patch-like shape | |
| N | F21S41/27 | 3 | Thick lenses | |
| N | F21S41/275 | 3 | Lens surfaces, e.g. coatings or surface structures | |
| N | F21S41/28 | 2 | {Cover glass} | |
| N | F21S41/285 | 2 | {Refractors, transparent cover plates, light guides or filters not provided in groups F21S41/24-F21S41/28} | |
| N | F21S41/29 | 2 | Attachment thereof (for achieving variable light distribution F21S 41/63) | |
| N | F21S41/295 | 3 | {specially adapted to projection lenses} | |
| N | F21S41/30 | 1 | characterised by reflectors | |

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|--------------|---------------|---|--|------------------------|
| Q | F21S41/32 | 2 | Optical layout thereof | F21S41/32, F21S41/33 |
| N | F21S41/321 | 3 | {the reflector being a surface of revolution or a planar surface, e.g. truncated} | |
| N | F21S41/322 | 3 | {the reflector using total internal reflection} | |
| N | F21S41/323 | 3 | {the reflector having two perpendicular cross sections having regular geometrical curves of a distinct nature} | |
| N | F21S41/33 | 3 | Multi-surface reflectors, e.g. reflectors with facets or reflectors with portions of different curvature | |
| N | F21S41/331 | 4 | {the reflector consisting of complete annular areas} | |
| N | F21S41/332 | 5 | {with continuity at the junction between adjacent areas} | |
| N | F21S41/333 | 5 | {with discontinuity at the junction between adjacent areas} | |
| N | F21S41/334 | 4 | {the reflector consisting of patch like sectors} | |
| N | F21S41/335 | 5 | {with continuity at the junction between adjacent areas} | |
| N | F21S41/336 | 5 | {with discontinuity at the junction between adjacent areas} | |
| N | F21S41/337 | 4 | {the reflector having a structured surface, e.g. with facets or corrugations} | |
| N | F21S41/338 | 4 | {the reflector having surface portions added to its general concavity} | |
| Q | F21S41/36 | 3 | Combinations of two or more separate reflectors | F21S41/36, F21S41/365 |
| N | F21S41/365 | 4 | successively reflecting the light | |
| N | F21S41/37 | 2 | characterised by their material, surface treatment or coatings | |
| N | F21S41/39 | 2 | Attachment thereof (achieving variable light distribution by movable reflectors F21S 41/675) | |
| N | F21S41/395 | 3 | {specially adapted to extension reflectors} | |
| N | F21S41/40 | 1 | characterised by screens, non-reflecting members, light-shielding members or fixed shades | |
| N | F21S41/43 | 2 | characterised by the shape thereof | |
| N | F21S41/435 | 3 | {Hoods or cap-shaped} | |
| N | F21S41/47 | 2 | Attachment thereof (achieving variable light distribution by movable screens F21S 41/683) | |

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|--------------|---------------|---|--|-----------------------------------|
| N | F21S41/50 | 1 | characterised by aesthetic components not otherwise provided for, e.g. decorative trim, partition walls or covers | |
| N | F21S41/55 | 2 | Attachment thereof | |
| N | F21S41/60 | 1 | characterised by a variable light distribution | |
| N | F21S41/62 | 2 | for adaptation between right-hand and left-hand traffic | |
| N | F21S41/63 | 2 | by acting on refractors, filters or transparent cover plates | |
| N | F21S41/635 | 3 | {by moving refractors, filters or transparent cover plates} | |
| N | F21S41/64 | 3 | by changing their light transmissivity, e.g. by liquid crystal or electrochromic devices | |
| N | F21S41/645 | 4 | {by electro-optic means, e.g. liquid crystal or electrochromic devices} | |
| N | F21S41/65 | 2 | by acting on light sources | |
| N | F21S41/657 | 3 | by moving light sources | |
| N | F21S41/663 | 3 | by switching light sources (by switching incandescent light sources F21S 41/162) | |
| N | F21S41/67 | 2 | by acting on reflectors | |
| N | F21S41/675 | 3 | by moving reflectors | |
| N | F21S41/68 | 2 | by acting on screens | |
| N | F21S41/683 | 3 | by moving screens | |
| N | F21S41/686 | 4 | Blades, i.e. screens moving in a vertical plane | |
| N | F21S41/689 | 4 | Flaps, i.e. screens pivoting around one of their edges | |
| N | F21S41/692 | 4 | Shields, i.e. screens not creating an image meant to be projected | |
| N | F21S41/695 | 4 | Screens rotating around a vertical axis (rotating flaps F21S41/689) | |
| N | F21S41/698 | 4 | Shaft-shaped screens rotating along its longitudinal axis | |
| Q | F21S43/00 | 0 | Signalling devices specially adapted for vehicle exteriors, e.g. brake lamps, direction indicator lights or reversing lights | F21S41/00, F21S43/00, F21W2104/00 |
| N | F21S43/10 | 1 | characterised by the light source | |
| Q | F21S43/13 | 2 | characterised by the type of light source | F21S43/13, F21S43/16 |
| N | F21S43/14 | 3 | Light emitting diodes [LED] | |
| N | F21S43/145 | 4 | Surface emitters, e.g. organic light emitting diodes [OLED] | |
| N | F21S43/15 | 3 | Strips of light sources | |
| N | F21S43/16 | 3 | Light sources where the light is generated by photoluminescent material | |

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|--------------|---------------|---|---|--|
| | | | spaced from a primary light generating element | |
| N | F21S43/19 | 2 | Attachment of light sources or lamp holders | |
| N | F21S43/195 | 3 | {Details of lamp holders, terminals or connectors} | |
| N | F21S43/20 | 1 | characterised by refractors, transparent cover plates, light guides or filters | |
| N | F21S43/235 | 2 | Light guides | |
| N | F21S43/236 | 3 | characterised by the shape of the light guide | |
| N | F21S43/237 | 4 | rod-shaped | |
| N | F21S43/239 | 4 | plate-shaped | |
| N | F21S43/241 | 4 | of complex shape | |
| N | F21S43/242 | 3 | characterised by the emission area | |
| N | F21S43/243 | 4 | emitting light from one or more of its extremities | |
| N | F21S43/245 | 4 | emitting light from one or more of its major surfaces | |
| N | F21S43/247 | 3 | with a single light source being coupled into the light guide | |
| N | F21S43/249 | 3 | with two or more light sources being coupled into the light guide | |
| N | F21S43/251 | 3 | the light guides being used to transmit light from remote light sources | |
| N | F21S43/255 | 2 | {Filters} | |
| N | F21S43/26 | 2 | {Refractors, transparent cover plates, light guides or filters not provided in groups F21S43/235-F21S43/255} | |
| N | F21S43/27 | 2 | Attachment thereof | |
| N | F21S43/30 | 1 | characterised by reflectors | |
| N | F21S43/31 | 2 | Optical layout thereof | |
| N | F21S43/315 | 3 | {using total internal reflection} | |
| N | F21S43/33 | 2 | characterised by their material, surface treatment or coatings | |
| N | F21S43/37 | 2 | Attachment thereof | |
| N | F21S43/40 | 1 | characterised by the combination of reflectors and refractors | |
| N | F21S43/50 | 1 | characterised by aesthetic components not otherwise provided for, e.g. decorative trim, partition walls or covers | |
| N | F21S43/51 | 2 | {Attachment thereof} | |
| Q | F21S45/00 | 0 | Arrangements within vehicle lighting devices specially adapted for vehicle exteriors, for purposes other than emission or distribution of light | F21S45/00, F21S45/20, F21S45/70, F21W2104/00 |

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|--------------|---------------|---|--|---|
| N | F21S45/10 | 1 | Protection of lighting devices (cooling of lighting devices F21S 45/40; waterproofing of lighting devices F21S 45/50) | |
| N | F21S45/20 | 1 | Promoting gas flow in lighting devices, e.g. directing flow toward the cover glass for demisting (ventilation F21S 45/30; forced cooling F21S 45/42) | |
| N | F21S45/30 | 1 | Ventilation or drainage of lighting devices | |
| N | F21S45/33 | 2 | specialy adapted for headlamps | |
| N | F21S45/37 | 2 | specialy adapted for signal lamps | |
| N | F21S45/40 | 1 | Cooling of lighting devices | |
| N | F21S45/42 | 2 | Forced cooling | |
| Q | F21S45/43 | 3 | using gas | F21S45/43, F21S45/435 |
| N | F21S45/435 | 4 | circulating the gas within a closed system | |
| Q | F21S45/46 | 3 | using liquid | F21S45/46, F21S45/465 |
| N | F21S45/465 | 4 | from other vehicle cooling systems, e.g. from air-conditioning or engine cooling systems | |
| Q | F21S45/47 | 2 | Passive cooling, e.g. using fins, thermal conductive elements or openings | F21S45/47, F21S45/48 |
| N | F21S45/48 | 3 | with means for conducting heat from the inside to the outside of the lighting devices, e.g. with fins on the outer surface of the lighting device | |
| N | F21S45/49 | 2 | Attachment of the cooling means | |
| N | F21S45/50 | 1 | Waterproofing | |
| N | F21S45/60 | 1 | Heating of lighting devices, e.g. for demisting | |
| N | F21S45/70 | 1 | Prevention of harmful light leakage | |
| D | F21S48/00 | 0 | {Lighting devices or systems specially adapted for vehicles (arrangements or adaptations for ships or waterborne vessels B63B45/00)} | <administrative transfer to F21S43/00> |
| D | F21S48/10 | 1 | {Headlamps} | <administrative transfer to F21S41/00> |
| D | F21S48/11 | 2 | {characterised by the light source} | <administrative transfer to F21S41/10> |
| D | F21S48/1104 | 3 | { Attachment of light sources; Lamp holders; Terminals or connectors therefor (F21S48/1742 takes precedence)} | <administrative transfer to F21S41/19> |
| D | F21S48/1109 | 4 | {Details of lamp holders, terminals or connectors (mounting of a ballast for a | <administrative transfer to F21S41/192> |

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|--------------|---------------|---|--|---|
| | | | high intensity discharge lamp on the housing wall of a headlamp B60Q} | |
| D | F21S48/1113 | 4 | {Bayonet attachments} | <administrative transfer to F21S41/194> |
| D | F21S48/1118 | 4 | {Wire spring attachments} | <administrative transfer to F21S41/196> |
| D | F21S48/1122 | 4 | {Snap-fit attachments} | <administrative transfer to F21S41/198> |
| D | F21S48/1127 | 3 | {Type of emitted light} | <administrative transfer to F21S41/12> |
| D | F21S48/1131 | 4 | {Colored light} | <administrative transfer to F21S41/125> |
| D | F21S48/1136 | 4 | {Ultraviolet [UV] or infrared [IR] light} | <administrative transfer to F21S41/13> |
| D | F21S48/114 | 4 | {Polarized light} | <administrative transfer to F21S41/135> |
| D | F21S48/1145 | 3 | {Type of light source} | <administrative transfer to F21S41/14> |
| D | F21S48/115 | 4 | {Light emitting diodes (LEDs)} | <administrative transfer to F21S41/141> |
| D | F21S48/1154 | 5 | {the main emission direction of the LED being parallel to the optical axis of the headlamp} | <administrative transfer to F21S41/143> |
| D | F21S48/1159 | 5 | {the main emission direction of the LED being angled to the optical axis of the headlamp} | <administrative transfer to F21S41/147> |
| D | F21S48/1163 | 5 | {Surface emitters, e.g. OLEDs} | <administrative transfer to F21S41/155> |
| D | F21S48/1168 | 4 | {Incandescent light sources, e.g. filament or halogen lamps} | <administrative transfer to F21S41/162> |
| D | F21S48/1172 | 5 | {having two or more filaments} | <administrative transfer to F21S41/164> |
| D | F21S48/1177 | 5 | {characterised by the shape of the filament} | <administrative transfer to F21S41/166> |
| D | F21S48/1181 | 5 | {having a filament being arranged transversally to the optical axis of the headlamp} | <administrative transfer to F21S41/168> |
| D | F21S48/1186 | 4 | {High intensity discharge [HID] light source} | <administrative transfer to F21S41/17> |
| D | F21S48/119 | 4 | {Fluorescent, elongated light source} | <administrative transfer to F21S41/173> |
| D | F21S48/1195 | 4 | {Combination of light sources of different types or shapes} | <administrative transfer to F21S41/18> |
| D | F21S48/12 | 2 | {characterised by refractors, transparent cover plates or filters} | <administrative transfer to F21S41/20> |

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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# |
|--------------|---------------|---|--|---|
| D | F21S48/1208 | 3 | { Attachment of refractors, transparent cover plates or filters (F21S48/1721 takes precedence)} | <administrative transfer to F21S41/29> |
| D | F21S48/1216 | 4 | {specially adapted to projection lenses} | <administrative transfer to F21S41/295> |
| D | F21S48/1225 | 3 | {Type of refractor, transparent cover plates or filters} | <administrative transfer to F21S41/285> |
| D | F21S48/1233 | 4 | {Cover glass} | <administrative transfer to F21S41/28> |
| D | F21S48/1241 | 4 | {Light guides (light guides per se G02B6/0001)} | <administrative transfer to F21S41/24> |
| D | F21S48/125 | 4 | {Projection lenses} | <administrative transfer to F21S41/25> |
| D | F21S48/1258 | 5 | {Lenses with a circular or truncated circular outline, when seen from the front} | <administrative transfer to F21S41/255> |
| D | F21S48/1266 | 5 | {Elongated lenses} | <administrative transfer to F21S41/26> |
| D | F21S48/1275 | 5 | {Composite lenses; Lenses with a patch like shape} | <administrative transfer to F21S41/265> |
| D | F21S48/1283 | 5 | {Lens surfaces, e.g. coatings, surface structures} | <administrative transfer to F21S41/275> |
| D | F21S48/1291 | 5 | {Thick lenses for providing the final automotive light distribution} | <administrative transfer to F21S41/27> |
| D | F21S48/13 | 2 | {characterised by reflectors} | <administrative transfer to F21S41/30> |
| D | F21S48/1305 | 3 | { Attachment of reflectors (F21S48/1757 takes precedence)} | <administrative transfer to F21S41/39> |
| D | F21S48/1311 | 4 | {specially adapted to extension reflectors} | <administrative transfer to F21S41/395> |
| D | F21S48/1317 | 3 | {Optical design} | <administrative transfer to F21S41/32> |
| D | F21S48/1323 | 4 | {the reflector being a surface of revolution or a planar surface, e.g. truncated} | <administrative transfer to F21S41/321> |
| D | F21S48/1329 | 4 | {the reflector using total internal reflection} | <administrative transfer to F21S41/322> |
| D | F21S48/1335 | 4 | {the reflector having two perpendicular cross sections having regular geometrical curves of a distinct nature} | <administrative transfer to F21S41/323> |
| D | F21S48/1341 | 4 | {the reflector consisting of complete annular areas} | <administrative transfer to F21S41/331> |
| D | F21S48/1347 | 5 | { with continuity at the junction between adjacent areas} | <administrative transfer to F21S41/332> |
| D | F21S48/1352 | 5 | { with discontinuity at the junction between adjacent areas} | <administrative transfer to F21S41/333> |

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| <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> |
|--------------|---------------|---|--|---|
| D | F21S48/1358 | 4 | {the reflector consisting of patch like sectors } | <administrative transfer to F21S41/334> |
| D | F21S48/1364 | 5 | { with continuity at the junction between adjacent areas } | <administrative transfer to F21S41/335> |
| D | F21S48/137 | 5 | { with discontinuity at the junction between adjacent areas } | <administrative transfer to F21S41/336> |
| D | F21S48/1376 | 4 | {the reflector having a structured surface, e.g. with facets or corrugations } | <administrative transfer to F21S41/337> |
| D | F21S48/1382 | 4 | {the reflector having surface portions added to its general concavity } | <administrative transfer to F21S41/338> |
| D | F21S48/1388 | 4 | {Combination of two or more reflectors } | <administrative transfer to F21S41/36> |
| D | F21S48/1394 | 3 | {Material, surface treatment or coating of the reflector } | <administrative transfer to F21S41/37> |
| D | F21S48/14 | 2 | {characterised by screens, non-reflecting members, light-shielding members or fixed shades } | <administrative transfer to F21S41/40> |
| D | F21S48/142 | 3 | {Attachment thereof (F21S48/1768 takes precedence)} | <administrative transfer to F21S41/47> |
| D | F21S48/145 | 3 | {Details of the shape of screens, non-reflecting members, light-shielding members or fixed shades } | <administrative transfer to F21S41/43> |
| D | F21S48/147 | 4 | {Hoods or cap-shaped } | <administrative transfer to F21S41/435> |
| D | F21S48/15 | 2 | {characterised by aesthetical components or components other than light sources, reflectors, refractors or screens, e.g. partition walls, covers, decorative trims } | <administrative transfer to F21S41/50> |
| D | F21S48/155 | 3 | {Attachment thereof } | <administrative transfer to F21S41/55> |
| D | F21S48/17 | 2 | {characterised by a variable light distribution } | <administrative transfer to F21S41/60> |
| D | F21S48/1705 | 3 | {Light distributions being switched } | <administrative transfer to F21S41/60> |
| D | F21S48/171 | 4 | {between right and left traffic side } | <administrative transfer to F21S41/62> |
| D | F21S48/1715 | 3 | {by acting on refractors, filters or transparent cover plates } | <administrative transfer to F21S41/63> |
| D | F21S48/1721 | 4 | {by moving refractors, filters or transparent cover plates } | <administrative transfer to F21S41/635> |
| D | F21S48/1726 | 4 | {by changing the light transmissivity of the refractors, filters or transparent cover plates } | <administrative transfer to F21S41/64> |
| D | F21S48/1731 | 5 | {by electro-optic means, e.g. liquid crystal or electrochromic devices } | <administrative transfer to F21S41/645> |
| D | F21S48/1736 | 3 | {by acting on light sources } | <administrative transfer to F21S41/65> |

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|--------------|---------------|---|---|---|
| D | F21S48/1742 | 4 | {by moving light sources} | <administrative transfer to F21S41/657> |
| D | F21S48/1747 | 4 | {by switching light sources (F21S48/1168 takes precedence)} | <administrative transfer to F21S41/663> |
| D | F21S48/1752 | 3 | {by acting on reflectors} | <administrative transfer to F21S41/67> |
| D | F21S48/1757 | 4 | {by moving reflectors} | <administrative transfer to F21S41/675> |
| D | F21S48/1763 | 3 | {by acting on screens} | <administrative transfer to F21S41/68> |
| D | F21S48/1768 | 4 | {by moving screens} | <administrative transfer to F21S41/683> |
| D | F21S48/1773 | 5 | {Blades, i.e. screens moving in a vertical plane} | <administrative transfer to F21S41/686> |
| D | F21S48/1778 | 5 | {Flaps, i.e. screens pivoting around one of its edges} | <administrative transfer to F21S41/689> |
| D | F21S48/1784 | 5 | {Shields, i.e. screens not creating an image meant to be projected, e.g. shielding a part of the light source or a part of an additional optical element} | <administrative transfer to F21S41/692> |
| D | F21S48/1789 | 5 | {Rotating screens, i.e. screens rotating around a vertical axis} | <administrative transfer to F21S41/695> |
| D | F21S48/1794 | 5 | {Shafts, i.e. screens being a rotating shaft} | <administrative transfer to F21S41/698> |
| D | F21S48/20 | 1 | {Signal lamps, e.g. brake lamps or turn signal lamps} | <administrative transfer to F21S43/00> |
| D | F21S48/21 | 2 | {characterised by the light source} | <administrative transfer to F21S43/10> |
| D | F21S48/211 | 3 | {Attachment of light sources; Lamp holders, terminals or connectors therefor} | <administrative transfer to F21S43/19> |
| D | F21S48/212 | 4 | {Details of lamp holders, terminals or connectors} | <administrative transfer to F21S43/195> |
| D | F21S48/214 | 3 | {Type of the light source} | <administrative transfer to F21S43/13> |
| D | F21S48/215 | 4 | {Light emitting diodes (LEDs)} | <administrative transfer to F21S43/14> |
| D | F21S48/217 | 5 | {Surface emitters, e.g. OLEDs} | <administrative transfer to F21S43/145> |
| D | F21S48/218 | 4 | {Strips of light sources} | <administrative transfer to F21S43/15> |
| D | F21S48/22 | 2 | {characterised by refractors, filters or transparent cover plates} | <administrative transfer to F21S43/20> |
| D | F21S48/2206 | 3 | {Attachment thereof} | <administrative transfer to F21S43/27> |
| D | F21S48/2212 | 3 | {Type of refractors, filters or transparent cover plates} | <administrative transfer to F21S43/26> |

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|--------------|---------------|---|--|---|
| D | F21S48/2218 | 4 | {Filters} | <administrative transfer to F21S43/255> |
| D | F21S48/2225 | 4 | {Light guides (light guides per se G02B6/0001)} | <administrative transfer to F21S43/235> |
| D | F21S48/2231 | 5 | {characterised by the shape of the light guide} | <administrative transfer to F21S43/236> |
| D | F21S48/2237 | 6 | {Bar or rod-like light guides} | <administrative transfer to F21S43/237> |
| D | F21S48/2243 | 6 | {Plate-like light guides} | <administrative transfer to F21S43/239> |
| D | F21S48/225 | 6 | {Light guides of complex shape or comprising a portion having a complex shape} | <administrative transfer to F21S43/241> |
| D | F21S48/2256 | 5 | {characterised by the emission area} | <administrative transfer to F21S43/242> |
| D | F21S48/2262 | 6 | {the light guide emitting on its extremity} | <administrative transfer to F21S43/243> |
| D | F21S48/2268 | 6 | {the light guide emitting on its surface} | <administrative transfer to F21S43/245> |
| D | F21S48/2275 | 5 | {characterised by the number of light sources coupled into the light guide} | <administrative transfer to F21S43/235> |
| D | F21S48/2281 | 6 | {Multiple light sources} | <administrative transfer to F21S43/249> |
| D | F21S48/2287 | 6 | {Single light source} | <administrative transfer to F21S43/247> |
| D | F21S48/2293 | 5 | {the light guide being used to transport light from a remote light source, e.g. from light generators} | <administrative transfer to F21S43/251> |
| D | F21S48/23 | 2 | {characterised by reflectors} | <administrative transfer to F21S43/30> |
| D | F21S48/232 | 3 | {Attachment thereof} | <administrative transfer to F21S43/37> |
| D | F21S48/234 | 3 | {Optical design thereof} | <administrative transfer to F21S43/31> |
| D | F21S48/236 | 4 | {using total internal reflection} | <administrative transfer to F21S43/315> |
| D | F21S48/238 | 3 | {Materials thereof, e.g. coatings} | <administrative transfer to F21S43/33> |
| D | F21S48/24 | 2 | {characterised by the combination of reflectors and refractors} | <administrative transfer to F21S43/40> |
| D | F21S48/25 | 2 | {characterised by aesthetical components or components other than light sources, reflectors, refractors, e.g. partition walls, covers or decorative trims} | <administrative transfer to F21S43/50> |
| D | F21S48/255 | 3 | {Attachment thereof} | <administrative transfer to F21S43/51> |

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|--------------|---------------|---|--|--|
| D | F21S48/30 | 1 | {Arrangements dedicated to purposes other than light emission or distribution} | <administrative transfer to F21S45/00> |
| D | F21S48/31 | 2 | {Protection of the lighting devices} | <administrative transfer to F21S45/10> |
| D | F21S48/32 | 2 | {Cooling of the lighting devices} | <administrative transfer to F21S45/40> |
| D | F21S48/321 | 3 | {Attachment of the means for cooling; Cooling arrangements} | <administrative transfer to F21S45/49> |
| D | F21S48/323 | 3 | {Forced cooling} | <administrative transfer to F21S45/42> |
| D | F21S48/325 | 4 | {using air or other gas} | <administrative transfer to F21S45/43> |
| D | F21S48/326 | 4 | {using liquid} | <administrative transfer to F21S45/46> |
| D | F21S48/328 | 3 | {Passive cooling} | <administrative transfer to F21S45/47> |
| D | F21S48/33 | 2 | {Waterproofing} | <administrative transfer to F21S45/50> |
| D | F21S48/332 | 3 | {Provisions for ventilation or drainage} | <administrative transfer to F21S45/30> |
| D | F21S48/335 | 4 | {specifically adapted for headlamps} | <administrative transfer to F21S45/33> |
| D | F21S48/337 | 4 | {specifically adapted for signal lamps} | <administrative transfer to F21S45/37> |
| D | F21S48/34 | 2 | {Heating of the lighting devices, e.g. for de-fogging} | <administrative transfer to F21S45/60> |

SUBCLASS F21W - INDEXING SCHEME ASSOCIATED WITH SUBCLASSES F21K, F21L, F21S and F21V, RELATING TO USES OR APPLICATIONS OF LIGHTING DEVICES OR SYSTEMS

| 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# |
|--------------|---------------|---|--|--|
| D | F21W2101/00 | 0 | Use or application of lighting devices on or in vehicles | <administrative transfer to F21W2107/00> |
| D | F21W2101/02 | 1 | for land vehicles | <administrative transfer to F21W2107/10> |
| D | F21W2101/023 | 2 | for cycles | <administrative transfer to F21W2107/13> |
| D | F21W2101/027 | 3 | for motorcycles | <administrative transfer to F21W2107/17> |
| D | F21W2101/04 | 1 | for water vehicles | <administrative transfer to F21W2107/20> |
| D | F21W2101/06 | 1 | for aircraft | <administrative transfer to F21W2107/30> |

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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# |
|--------------|---------------|---|--|--|
| D | F21W2101/08 | 1 | Interior lights | <administrative transfer to F21W2106/00> |
| D | F21W2101/10 | 1 | Head-, spot- or fog-lights | <administrative transfer to F21W2102/00> |
| D | F21W2101/12 | 1 | Direction indicator lights | <administrative transfer to F21W2103/20> |
| D | F21W2101/14 | 1 | Rear or stop lights | <administrative transfer to F21W2103/00> |
| Q | F21W2102/00 | 0 | Exterior vehicle lighting devices for illuminating purposes | F21W 2102/00, F21W 2102/10, F21W 2102/13, F21W 2102/135, F21W 2102/14, F21W 2102/145, F21W 2102/15, F21W 2102/155, F21W 2102/16, F21W 2102/165, F21W 2102/17, F21W 2102/18, F21W 2102/19, F21W 2102/20, F21W 2102/30, F21W 2102/40, F21W 2105/00 |
| N | F21W2102/10 | 1 | Arrangement or contour of the emitted light | |
| N | F21W2102/13 | 2 | for high-beam region or low-beam region | |
| N | F21W2102/135 | 3 | the light having cut-off lines, i.e. clear borderlines between emitted regions and dark regions | |
| N | F21W2102/14 | 4 | having vertical cut-off lines; specially adapted for adaptive high beams, i.e. wherein the beam is broader but avoids glaring other road users | |
| N | F21W2102/145 | 5 | wherein the light is emitted between two parallel vertical cutoff lines, e.g. selectively emitted rectangular-shaped high beam | |
| N | F21W2102/15 | 5 | wherein the light is emitted under L-shaped cut-off lines, i.e. vertical and horizontal cutoff lines | |
| N | F21W2102/155 | 4 | having inclined and horizontal cutoff lines | |
| N | F21W2102/16 | 4 | having blurred cut-off lines | |
| N | F21W2102/165 | 3 | the borderlines between emitted regions and dark regions other than cut-off lines being variable | |

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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# |
|--------------|---------------|---|--|--|
| N | F21W2102/17 | 2 | for regions other than high beam or low beam | |
| N | F21W2102/18 | 3 | for overhead signs | |
| N | F21W2102/19 | 3 | for curves | |
| N | F21W2102/20 | 1 | Illuminance distribution within the emitted light | |
| N | F21W2102/30 | 1 | Fog lights | |
| N | F21W2102/40 | 1 | the light being emitted to facilitate access to the vehicle | |
| Q | F21W2103/00 | 0 | Exterior vehicle lighting devices for signalling purposes | F21W 2103/00, F21W 2103/10, F21W 2103/15, F21W 2103/30, F21W 2103/35, F21W 2103/40, F21W 2103/45, F21W 2103/50, F21W 2103/55, F21W 2103/60, F21W 2105/00 |
| N | F21W2103/10 | 1 | Position lights | |
| N | F21W2103/15 | 1 | Side marker lights | |
| Q | F21W2103/20 | 1 | Direction indicator lights | F21W2103/20, F21W2103/25 |
| N | F21W2103/25 | 2 | for rear-view mirrors | |
| N | F21W2103/30 | 1 | Hazard lights | |
| N | F21W2103/35 | 1 | Brake lights | |
| N | F21W2103/40 | 1 | Rear fog lights | |
| N | F21W2103/45 | 1 | Reversing lights | |
| N | F21W2103/50 | 1 | Registration plate lights | |
| N | F21W2103/55 | 1 | Daytime running lights [DRL] | |
| N | F21W2103/60 | 1 | Projection of signs from lighting devices, e.g. symbols or information being projected onto the road | |
| N | F21W2104/00 | 0 | Exterior vehicle lighting devices for decorative purposes | |
| N | F21W2105/00 | 0 | Combinations of lighting devices covered by codes F21W 2102/00 – F21W 2104/00 | |
| N | F21W2106/00 | 0 | Interior vehicle lighting devices | |
| N | F21W2107/00 | 0 | Use or application of lighting devices on or in particular types of vehicles | |
| N | F21W2107/10 | 1 | for land vehicles | |
| N | F21W2107/13 | 2 | for cycles | |
| N | F21W2107/17 | 3 | for motorcycles | |
| N | F21W2107/20 | 1 | for water vehicles | |
| N | F21W2107/30 | 1 | for aircraft | |
| M | F21W2111/00 | 0 | Use or application of lighting devices or systems for signalling, marking or | |

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| <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> |
|--------------|---------------|---|--|------------------------|
| | | | indicating, not provided for in codes F21W 2102/00 – F21W 2107/00 | |
| M | F21W2121/00 | 0 | Use or application of lighting devices or systems for decorative purposes, not provided for in codes F21W 2102/00 – F21W 2107/00 | |
| M | F21W2131/00 | 0 | Use or application of lighting devices or systems not provided for in codes F21W 2102/00-F21W 2121/00 | |

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

NOTES:

- **No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- 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 F21S - NON-PORTABLE LIGHTING DEVICES; SYSTEMS THEREOF

| <u>Type*</u> | <u>Location</u> | <u>Old Warning notice</u> | <u>New/Modified Warning notice</u> |
|--------------|-----------------|---|--|
| D | F21S 8/10 | This group is no longer used for the classification of new documents as from January 1st, 2012. The backlog of this group is being continuously reclassified to F21S48/00 and subgroups | Delete |
| rD | F21S 8/12 | This group is no longer used for the classification of new documents as from January 1st, 2012. The backlog of this group is being continuously reclassified to F21S48/00 and subgroups | Delete |
| N | F21S 41/00 | | Group F21S 41/00 is incomplete pending reclassification of documents from group F21S 43/00. Groups F21S 43/00 and F21S 41/00 should be considered in order to perform a complete search. |
| N | F21S 41/14 | | Group F21S 41/14 is impacted by reclassification into groups F21S 41/16 and F21S 41/176. Groups F21S 41/14, F21S 41/16 and F21S 41/176 should be considered in order to perform a complete search. |
| N | F21S 41/141 | | Group F21S 41/141 is impacted by reclassification into groups F21S 41/151 and F21S 41/153. Groups F21S 41/141, F21S 41/151 and F21S 41/153 should be considered in order to perform a complete search. |
| N | F21S 41/143 | | Group F21S 41/143 is impacted by reclassification into groups F21S 41/145, F21S 41/151 and F21S 41/153. All groups listed in this Warning should be considered in order to perform a complete search. |
| N | F21S 41/145 | | Group F21S 41/145 is incomplete pending reclassification of documents from group F21S 41/143. Groups F21S 41/143 and F21S 41/145 should be considered in order to perform a complete search. |
| N | F21S 41/147 | | Group F21S 41/147 is impacted by reclassification into groups F21S 41/148, F21S 41/151 and |

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| <u>Type*</u> | <u>Location</u> | <u>Old Warning notice</u> | <u>New/Modified Warning notice</u> |
|--------------|-----------------|---------------------------|---|
| | | | F21S 41/153. All groups listed in this Warning should be considered in order to perform a complete search. |
| N | F21S 41/148 | | Group F21S 41/148 is incomplete pending reclassification of documents from group F21S 41/147. Groups F21S 41/147 and F21S 41/148 should be considered in order to perform a complete search. |
| N | F21S 41/151 | | Group F21S 41/151 is incomplete pending reclassification of documents from groups F21S 41/141, F21S 41/143 and F21S 41/147. All groups listed in this Warning should be considered in order to perform a complete search. |
| N | F21S 41/153 | | Group F21S 41/153 is incomplete pending reclassification of documents from groups F21S 41/141, F21S 41/143 and F21S 41/147. All groups listed in this Warning should be considered in order to perform a complete search. |
| N | F21S 41/16 | | Group F21S 41/16 is incomplete pending reclassification of documents from group F21S 41/14. Groups F21S 41/14 and F21S 41/16 should be considered in order to perform a complete search. |
| N | F21S 41/17 | | Group F21S 41/17 is impacted by reclassification into group F21S 41/172. Groups F21S 41/17 and F21S 41/172 should be considered in order to perform a complete search. |
| N | F21S 41/172 | | Group F21S 41/172 is incomplete pending reclassification of documents from group F21S 41/17. Groups F21S 41/17 and F21S 41/172 should be considered in order to perform a complete search. |
| N | F21S 41/176 | | Group F21S 41/176 is incomplete pending reclassification of documents from group F21S 41/14. Groups F21S 41/14 and F21S 41/176 should be considered in order to perform a complete search. |
| N | F21S 41/32 | | Group F21S 41/32 is impacted by reclassification into group F21S 41/33. Groups F21S 41/32 and F21S 41/33 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 | F21S 41/33 | | Group F21S 41/33 is incomplete pending reclassification of documents from group F21S 41/32. Groups F21S 41/32 and F21S 41/33 should be considered in order to perform a complete search. |
| N | F21S 41/36 | | Group F21S 41/36 is impacted by reclassification into group F21S 41/365. Groups F21S 41/36 and F21S 41/365 should be considered in order to perform a complete search. |
| N | F21S 41/365 | | Group F21S 41/365 is incomplete pending reclassification of documents from group F21S 41/36. Groups F21S 41/36 and F21S 41/365 should be considered in order to perform a complete search. |
| N | F21S 43/00 | | Group F21S 43/00 is impacted by reclassification into groups F21S 41/00 and F21W 2104/00. Groups F21S 43/00, F21S 41/00 and F21W 2104/00 should be considered in order to perform a complete search. |
| N | F21S 43/13 | | Group F21S 43/13 is impacted by reclassification into group F21S 43/16. Groups F21S 43/13 and F21S 43/16 should be considered in order to perform a complete search. |
| N | F21S 43/16 | | Group F21S 43/16 is incomplete pending reclassification of documents from group F21S 43/13. Groups F21S 43/13 and F21S 43/16 should be considered in order to perform a complete search. |
| N | F21S 45/00 | | Group F21S 45/00 is impacted by reclassification into groups F21S 45/20, F21S 45/70 and F21W 2104/00. All groups listed in this Warning should be considered in order to perform a complete search. |
| N | F21S 45/20 | | Group F21S 45/20 is incomplete pending reclassification of documents from group F21S 45/00. Groups F21S 45/00 and F21S 45/20 should be considered in order to perform a complete search. |
| N | F21S 45/43 | | Group F21S 45/43 is impacted by reclassification into group F21S 45/435. Groups F21S 45/43 and F21S 45/435 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 | F21S 45/435 | | Group F21S 45/435 is incomplete pending reclassification of documents from group F21S 45/43. Groups F21S 45/43 and F21S 45/435 should be considered in order to perform a complete search. |
| N | F21S 45/46 | | Group F21S 45/46 is impacted by reclassification into group F21S 45/465. Groups F21S 45/46 and F21S 45/465 should be considered in order to perform a complete search. |
| N | F21S 45/465 | | Group F21S 45/465 is incomplete pending reclassification of documents from group F21S 45/46. Groups F21S 45/46 and F21S 45/465 should be considered in order to perform a complete search. |
| N | F21S 45/47 | | Group F21S 45/47 is impacted by reclassification into group F21S 45/48. Groups F21S 45/47 and F21S 45/48 should be considered in order to perform a complete search. |
| N | F21S 45/48 | | Group F21S 45/48 is incomplete pending reclassification of documents from group F21S 45/47. Groups F21S 45/47 and F21S 45/48 should be considered in order to perform a complete search. |
| N | F21S 45/70 | | Group F21S 45/70 is incomplete pending reclassification of documents from group F21S 45/00. Groups F21S 45/00 and F21S 45/70 should be considered in order to perform a complete search. |

SUBCLASS F21W - INDEXING SCHEME ASSOCIATED WITH SUBCLASSES F21K, F21L, F21S and F21V, RELATING TO USES OR APPLICATIONS OF LIGHTING DEVICES OR SYSTEMS

| <u>Type*</u> | <u>Location</u> | <u>Old Warning notice</u> | <u>New/Modified Warning notice</u> |
|--------------|-----------------|---------------------------|---|
| N | F21W 2102/00 | | Group F21W 2102/00 is impacted by reclassification into groups F21W 2102/10, F21W 2102/13, F21W 2102/135, F21W 2102/14, F21W 2102/145, F21W 2102/15, F21W 2102/155, F21W 2102/16, F21W 2102/165, F21W 2102/17, F21W 2102/18, F21W 2102/19, F21W 2102/20, F21W 2102/30, F21W 2102/40 and F21W 2105/00. All groups listed in this Warning should be considered in order to perform a complete search. |

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| | | | |
|---|---------------|--|--|
| N | F21W 2102/10 | | Group F21W 2102/10 is incomplete pending reclassification of documents from group F21W 2102/00. Groups F21W 2102/00 and F21W 2102/10 should be considered in order to perform a complete search. |
| N | F21W 2102/13 | | Group F21W 2102/13 is incomplete pending reclassification of documents from group F21W 2102/00. Groups F21W 2102/00 and F21W 2102/13 should be considered in order to perform a complete search. |
| N | F21W 2102/135 | | Group F21W 2102/135 is incomplete pending reclassification of documents from group F21W 2102/00. Groups F21W 2102/00 and F21W 2102/135 should be considered in order to perform a complete search. |
| N | F21W 2102/14 | | Group F21W 2102/14 is incomplete pending reclassification of documents from group F21W 2102/00. Groups F21W 2102/00 and F21W 2102/14 should be considered in order to perform a complete search. |
| N | F21W 2102/145 | | Group F21W 2102/145 is incomplete pending reclassification of documents from group F21W 2102/00. Groups F21W 2102/00 and F21W 2102/145 should be considered in order to perform a complete search. |
| N | F21W 2102/15 | | Group F21W 2102/15 is incomplete pending reclassification of documents from group F21W 2102/00. Groups F21W 2102/00 and F21W 2102/15 should be considered in order to perform a complete search. |
| N | F21W 2102/155 | | Group F21W 2102/155 is incomplete pending reclassification of documents from group F21W 2102/00. Groups F21W 2102/00 and F21W 2102/155 should be considered in order to perform a complete search. |
| N | F21W 2102/16 | | Group F21W 2102/16 is incomplete pending reclassification of documents from group F21W 2102/00. Groups F21W 2102/00 and F21W 2102/16 should be considered in order to perform a complete search. |
| N | F21W 2102/165 | | Group F21W 2102/165 is incomplete pending reclassification of documents from group F21W 2102/00. Groups F21W 2102/00 and F21W 2102/165 should be considered in order to perform a complete search. |

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| | | | |
|---|--------------|--|---|
| N | F21W 2102/17 | | Group F21W 2102/17 is incomplete pending reclassification of documents from group F21W 2102/00. Groups F21W 2102/00 and F21W 2102/17 should be considered in order to perform a complete search. |
| N | F21W 2102/18 | | Group F21W 2102/18 is incomplete pending reclassification of documents from group F21W 2102/00. Groups F21W 2102/00 and F21W 2102/18 should be considered in order to perform a complete search. |
| N | F21W 2102/19 | | Group F21W 2102/19 is incomplete pending reclassification of documents from group F21W 2102/00. Groups F21W 2102/00 and F21W 2102/19 should be considered in order to perform a complete search. |
| N | F21W 2102/20 | | Group F21W 2102/20 is incomplete pending reclassification of documents from group F21W 2102/00. Groups F21W 2102/00 and F21W 2102/20 should be considered in order to perform a complete search. |
| N | F21W 2102/30 | | Group F21W 2102/30 is incomplete pending reclassification of documents from group F21W 2102/00. Groups F21W 2102/00 and F21W 2102/30 should be considered in order to perform a complete search. |
| N | F21W 2102/40 | | Group F21W 2102/40 is incomplete pending reclassification of documents from group F21W 2102/00. Groups F21W 2102/00 and F21W 2102/40 should be considered in order to perform a complete search. |
| N | F21W 2103/00 | | Group F21W 2103/00 is impacted by reclassification into groups F21W 2103/10, F21W 2103/15, F21W 2103/30, F21W 2103/35, F21W 2103/40, F21W 2103/45, F21W 2103/50, F21W 2103/55, F21W 2103/60 and F21W 2105/00. All groups listed in this Warning should be considered in order to perform a complete search. |
| N | F21W 2103/10 | | Group F21W 2103/10 is incomplete pending reclassification of documents from group F21W 2103/00. Groups F21W 2103/00 and F21W 2103/10 should be considered in order to perform a complete search. |
| N | F21W 2103/15 | | Group F21W 2103/15 is incomplete pending reclassification of documents |

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| | | | |
|---|--------------|--|--|
| | | | from group F21W 2103/00. Groups F21W 2103/00 and F21W 2103/15 should be considered in order to perform a complete search. |
| N | F21W 2103/20 | | Group F21W 2103/20 is impacted by reclassification into group F21W 2103/25. Groups F21W 2103/20 and F21W 2103/25 should be considered in order to perform a complete search. |
| N | F21W 2103/25 | | Group F21W 2103/25 is incomplete pending reclassification of documents from group F21W 2103/20. Groups F21W 2103/20 and F21W 2103/25 should be considered in order to perform a complete search. |
| N | F21W 2103/30 | | Group F21W 2103/30 is incomplete pending reclassification of documents from group F21W 2103/00. Groups F21W 2103/00 and F21W 2103/30 should be considered in order to perform a complete search. |
| N | F21W 2103/35 | | Group F21W 2103/35 is incomplete pending reclassification of documents from group F21W 2103/00. Groups F21W 2103/00 and F21W 2103/35 should be considered in order to perform a complete search. |
| N | F21W 2103/40 | | Group F21W 2103/40 is incomplete pending reclassification of documents from group F21W 2103/00. Groups F21W 2103/00 and F21W 2103/40 should be considered in order to perform a complete search. |
| N | F21W 2103/45 | | Group F21W 2103/45 is incomplete pending reclassification of documents from group F21W 2103/00. Groups F21W 2103/00 and F21W 2103/45 should be considered in order to perform a complete search. |
| N | F21W 2103/50 | | Group F21W 2103/50 is incomplete pending reclassification of documents from group F21W 2103/00. Groups F21W 2103/00 and F21W 2103/50 should be considered in order to perform a complete search. |
| N | F21W 2103/55 | | Group F21W 2103/55 is incomplete pending reclassification of documents from group F21W 2103/00. Groups F21W 2103/00 and F21W 2103/55 should be considered in order to perform a complete search. |
| N | F21W 2103/60 | | Group F21W 2103/60 is incomplete pending reclassification of documents |

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| | | | |
|---|--------------|--|--|
| | | | from group F21W 2103/00. Groups F21W 2103/00 and F21W 2103/60 should be considered in order to perform a complete search. |
| N | F21W 2104/00 | | Group F21W 2104/00 is incomplete pending reclassification of documents from groups F21S 43/00 and F21S 45/00. Groups F21S 43/00, F21S 45/00 and F21W 2104/00 should be considered in order to perform a complete search. |
| N | F21W 2105/00 | | Group F21W 2105/00 is incomplete pending reclassification of documents from groups F21W 2102/00 and F21W 2103/00. Groups F21W 2102/00, F21W 2103/00 and F21W 2105/00 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 B60Q - ARRANGEMENT OF SIGNALLING OR LIGHTING DEVICES, THE MOUNTING OR SUPPORTING THEREOF OR CIRCUITS THEREFOR, FOR VEHICLES IN GENERAL**

| <u>Type*</u> | <u>Location</u> | <u>Old Note</u> | <u>New/Modified Note</u> |
|--------------|-----------------|---|--|
| M | B60Q | <p>1. This subclass covers also: electric signalling of lighting circuits so far as specially arranged in vehicles; arrangements or adaptations of lighting switches or signal-initiating means</p> <p>2. Attention is drawn to the Note following the title of class B60</p> <p>3. Attention is drawn to the following places :</p> <p>B60K28/00 Safety devices, e.g. sleeping driver B60R25/00 Anti theft B62D Driving assistance B62D15/02 Steering aids B60K31/0008 Cruise control F21S48/00 Lighting devices or systems specially adapted for vehicles G01S Infra red night vision G01S13/931 Anti Collision G05D1/00 Automatic pilot G06K9/00 Pattern recognition G06T3/00 Image transformation G06T5/00 Image enhancement G06T7/00 Image analysis G08B21/00 Alarms in general G08G Traffic control G08G1/16 Anti-collision systems H04N Television systems</p> | <p>1. This subclass also covers the operation and control of lighting devices, for example:</p> <ul style="list-style-type: none"> •arrangement or adaptation of lighting switches or signal-initiating means for vehicles. •control of lighting devices in relation to the vehicle as a whole, e.g. for levelling, swivelling or aiming. <p>2. This subclass does not cover optical, mechanical, thermal or electrical arrangement of elements within lighting device s, which are covered by groups F21S 41/00 – F21S 45/00.</p> <p>3. Attention is drawn to the Note following the title of class B60.</p> <p>4. Attention is drawn to the following places :</p> <p>B60K28/00 Safety devices, e.g. sleeping driver B60R25/00 Anti-theft B62D Driving assistance B62D15/02 Steering aids B60K31/0008 Cruise control G01S Infrared night vision G01S13/931 Anti-collision G05D1/00 Automatic pilot G06K9/00 Pattern recognition G06T3/00 Image transformation G06T5/00 Image enhancement G06T7/00 Image analysis G08B21/00 Alarms in general G08G Traffic control G08G1/16 Anti-collision systems H04N Television systems</p> |

SUBCLASS F21S - NON-PORTABLE LIGHTING DEVICES; SYSTEMS THEREOF; VEHICLE LIGHTING DEVICES SPECIALLY ADAPTED FOR VEHICLE EXTERIORS

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| <u>Type*</u> | <u>Location</u> | <u>Old Note</u> | <u>New/Modified Note</u> |
|--------------|-----------------|---|--|
| M | F21S | <p>1.This subclass covers devices or systems intended for fixed installation, e.g. vehicle lighting, or for use at a permanent location, e.g. free-standing floor- or table-lamps.</p> <p>2.This subclass does not cover devices or systems specially adapted for transportation, which are covered by subclass F21L.</p> <p>3.Non-electric lighting devices or systems are classified in groups F21S11/00 - F21S15/00 only if a special adaptation related to the use of a non-electric light source is of interest.</p> | <p>1. This subclass covers:</p> <ul style="list-style-type: none"> •devices or systems intended for fixed installation or for use at a permanent location, e.g. free-standing floor- or table-lamps. •aspects related to the optical, mechanical, thermal or electrical arrangement of elements in vehicle illuminating devices specially adapted for vehicle exterior, e.g. headlamps. •aspects related to the optical, mechanical, thermal or electrical arrangement of elements in vehicle light signalling devices specially adapted for vehicle exterior, e.g. brake lamps or direction indicator lights. <p>2. This subclass does not cover:</p> <ul style="list-style-type: none"> •devices or systems specially adapted for transportation, which are covered by subclass F21L. •aspects related to the vehicles in which lighting devices are arranged, e.g. the arrangement or operation of lighting devices on vehicles, which are covered by B60Q. •control of vehicle lighting devices in relation to the vehicle as a whole, e.g. for levelling, swivelling or aiming. Such arrangements are covered by group B60Q 1/06, even if the movement of the lighting device occurs inside the lamp housing. <p>3. Non-electric lighting devices or systems are classified in groups F21S 11/00-F21S 15/00 only if a special adaptation related to the use of a non-electric light source is of interest.</p> <p>4. In this subclass, it is desirable to add the indexing codes of subclasses F21W and F21Y.</p> |
| D | F21S 48/225 | additional classification should be given in the groups characterising the shape of the light guides | Delete |

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

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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 F21S - NON-PORTABLE LIGHTING DEVICES; SYSTEMS THEREOF; VEHICLE LIGHTING DEVICES SPECIALLY ADAPTED FOR VEHICLE EXTERIORS

| <u>Type*</u> | <u>Location</u> | <u>Old Guidance Heading</u> | <u>New/Modified Guidance Heading</u> |
|--------------|-----------------|-----------------------------|--|
| N | F21S41/00 | | Vehicle lighting devices specially adapted for vehicle exteriors |

*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.”

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2. B. DEFINITIONS QUICK FIX

| <u>Symbol</u> | <u>Location of change</u> (e.g., section title) | <u>Existing reference symbol or text</u> | <u>Action: New symbol; New text</u> |
|----------------------|---|--|--|
| F21S8/02 | Limiting references | Lighting devices intended for fixed installation specially adapted for vehicles F21S48/00 | <u>Replace with:</u> Lighting devices intended for fixed installation specially adapted for vehicles F21S41/00- F21S45/00 |
| F21S8/02 | Limiting references | Recessed wall lighting device for swimming pools F21W2131/401 | <u>Delete this row</u> |
| F21S8/02 | Informative references | Ceilings with means for hanging lighting fixtures or other appliances to the framework of the ceiling E04B9/006 | <u>Add:</u> Recessed wall lighting device for swimming pools F21W2131/401 |
| F21S8/10 | N/A | N/A | <u>Delete full definition</u> |
| F21S48/00 | N/A | N/A | <u>Delete full definition</u> |

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)

| Type* | From CPC Symbol (existing) | To CPC Symbol(s) |
|--------------|-----------------------------------|--|
| D | F21S 8/10 | <administrative transfer to F21S 43/00> |
| D | F21S 8/12 | <administrative transfer to F21S 41/00> |
| Q | F21S 41/14 | F21S 41/14, F21S 41/16, F21S 41/176 |
| Q | F21S 41/141 | F21S 41/141, F21S 41/151, F21S 41/153 |
| Q | F21S 41/143 | F21S 41/143, F21S 41/145, F21S 41/151, F21S 41/153 |
| Q | F21S 41/147 | F21S 41/147, F21S 41/148, F21S 41/151, F21S 41/153 |
| Q | F21S 41/17 | F21S 41/17, F21S 41/172 |
| Q | F21S 41/32 | F21S 41/32, F21S 41/33 |
| Q | F21S 41/36 | F21S 41/36, F21S 41/365 |
| Q | F21S 43/00 | F21S 41/00, F21S 43/00, F21W 2104/00 |
| Q | F21S 43/13 | F21S 43/13, F21S 43/16 |
| Q | F21S 45/00 | F21S 45/00, F21S 45/20, F21S 45/70, F21W 2104/00 |
| Q | F21S 45/43 | F21S 45/43, F21S 45/435 |
| Q | F21S 45/46 | F21S 45/46, F21S 45/465 |
| Q | F21S 45/47 | F21S 45/47, F21S 45/48 |
| D | F21S 48/00 | <administrative transfer to F21S 43/00> |
| D | F21S 48/10 | <administrative transfer to F21S 41/00> |
| D | F21S 48/11 | <administrative transfer to F21S 41/10> |
| D | F21S 48/1104 | <administrative transfer to F21S 41/19> |
| D | F21S 48/1109 | <administrative transfer to F21S 41/192> |
| D | F21S 48/1113 | <administrative transfer to F21S 41/194> |
| D | F21S 48/1118 | <administrative transfer to F21S 41/196> |
| D | F21S 48/1122 | <administrative transfer to F21S 41/198> |
| D | F21S 48/1127 | <administrative transfer to F21S 41/12> |
| D | F21S 48/1131 | <administrative transfer to F21S 41/125> |
| D | F21S 48/1136 | <administrative transfer to F21S 41/13> |
| D | F21S 48/114 | <administrative transfer to F21S 41/135> |

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| <u>Type*</u> | <u>From CPC Symbol (existing)</u> | <u>To CPC Symbol(s)</u> |
|---------------------|--|--|
| D | F21S 48/1145 | <administrative transfer to F21S 41/14> |
| D | F21S 48/115 | <administrative transfer to F21S 41/141> |
| D | F21S 48/1154 | <administrative transfer to F21S 41/143> |
| D | F21S 48/1159 | <administrative transfer to F21S 41/147> |
| D | F21S 48/1163 | <administrative transfer to F21S 41/155> |
| D | F21S 48/1168 | <administrative transfer to F21S 41/162> |
| D | F21S 48/1172 | <administrative transfer to F21S 41/164> |
| D | F21S 48/1177 | <administrative transfer to F21S 41/166> |
| D | F21S 48/1181 | <administrative transfer to F21S 41/168> |
| D | F21S 48/1186 | <administrative transfer to F21S 41/17> |
| D | F21S 48/119 | <administrative transfer to F21S 41/173> |
| D | F21S 48/1195 | <administrative transfer to F21S 41/18> |
| D | F21S 48/12 | <administrative transfer to F21S 41/20> |
| D | F21S 48/1208 | <administrative transfer to F21S 41/29> |
| D | F21S 48/1216 | <administrative transfer to F21S 41/295> |
| D | F21S 48/1225 | <administrative transfer to F21S 41/285> |
| D | F21S 48/1233 | <administrative transfer to F21S 41/28> |
| D | F21S 48/1241 | <administrative transfer to F21S 41/24> |
| D | F21S 48/125 | <administrative transfer to F21S 41/25> |
| D | F21S 48/1258 | <administrative transfer to F21S 41/255> |
| D | F21S 48/1266 | <administrative transfer to F21S 41/26> |
| D | F21S 48/1275 | <administrative transfer to F21S 41/265> |
| D | F21S 48/1283 | <administrative transfer to F21S 41/275> |
| D | F21S 48/1291 | <administrative transfer to F21S 41/27> |
| D | F21S 48/13 | <administrative transfer to F21S 41/30> |

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| <u>Type*</u> | <u>From CPC Symbol (existing)</u> | <u>To CPC Symbol(s)</u> |
|---------------------|--|--|
| D | F21S 48/1305 | <administrative transfer to F21S 41/39> |
| D | F21S 48/1311 | <administrative transfer to F21S 41/395> |
| D | F21S 48/1317 | <administrative transfer to F21S 41/32> |
| D | F21S 48/1323 | <administrative transfer to F21S 41/321> |
| D | F21S 48/1329 | <administrative transfer to F21S 41/322> |
| D | F21S 48/1335 | <administrative transfer to F21S 41/323> |
| D | F21S 48/1341 | <administrative transfer to F21S 41/331> |
| D | F21S 48/1347 | <administrative transfer to F21S 41/332> |
| D | F21S 48/1352 | <administrative transfer to F21S 41/333> |
| D | F21S 48/1358 | <administrative transfer to F21S 41/334> |
| D | F21S 48/1364 | <administrative transfer to F21S 41/335> |
| D | F21S 48/137 | <administrative transfer to F21S 41/336> |
| D | F21S 48/1376 | <administrative transfer to F21S 41/337> |
| D | F21S 48/1382 | <administrative transfer to F21S 41/338> |
| D | F21S 48/1388 | <administrative transfer to F21S 41/36> |
| D | F21S 48/1394 | <administrative transfer to F21S 41/37> |
| D | F21S 48/14 | <administrative transfer to F21S 41/40> |
| D | F21S 48/142 | <administrative transfer to F21S 41/47> |
| D | F21S 48/145 | <administrative transfer to F21S 41/43> |
| D | F21S 48/147 | <administrative transfer to F21S 41/435> |
| D | F21S 48/15 | <administrative transfer to F21S 41/50> |
| D | F21S 48/155 | <administrative transfer to F21S 41/55> |
| D | F21S 48/17 | <administrative transfer to F21S 41/60> |
| D | F21S 48/1705 | <administrative transfer to F21S 41/60> |
| D | F21S 48/171 | <administrative transfer to F21S 41/62> |

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| <u>Type*</u> | <u>From CPC Symbol (existing)</u> | <u>To CPC Symbol(s)</u> |
|---------------------|--|--|
| D | F21S 48/1715 | <administrative transfer to F21S 41/63> |
| D | F21S 48/1721 | <administrative transfer to F21S 41/635> |
| D | F21S 48/1726 | <administrative transfer to F21S 41/64> |
| D | F21S 48/1731 | <administrative transfer to F21S 41/645> |
| D | F21S 48/1736 | <administrative transfer to F21S 41/65> |
| D | F21S 48/1742 | <administrative transfer to F21S 41/657> |
| D | F21S 48/1747 | <administrative transfer to F21S 41/663> |
| D | F21S 48/1752 | <administrative transfer to F21S 41/67> |
| D | F21S 48/1757 | <administrative transfer to F21S 41/675> |
| D | F21S 48/1763 | <administrative transfer to F21S 41/68> |
| D | F21S 48/1768 | <administrative transfer to F21S 41/683> |
| D | F21S 48/1773 | <administrative transfer to F21S 41/686> |
| D | F21S 48/1778 | <administrative transfer to F21S 41/689> |
| D | F21S 48/1784 | <administrative transfer to F21S 41/692> |
| D | F21S 48/1789 | <administrative transfer to F21S 41/695> |
| D | F21S 48/1794 | <administrative transfer to F21S 41/698> |
| D | F21S 48/20 | <administrative transfer to F21S 43/00> |
| D | F21S 48/21 | <administrative transfer to F21S 43/10> |
| D | F21S 48/211 | <administrative transfer to F21S 43/19> |
| D | F21S 48/212 | <administrative transfer to F21S 43/195> |
| D | F21S 48/214 | <administrative transfer to F21S 43/13> |
| D | F21S 48/215 | <administrative transfer to F21S 43/14> |
| D | F21S 48/217 | <administrative transfer to F21S 43/145> |
| D | F21S 48/218 | <administrative transfer to F21S 43/15> |
| D | F21S 48/22 | <administrative transfer to F21S 43/20> |

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| <u>Type*</u> | <u>From CPC Symbol (existing)</u> | <u>To CPC Symbol(s)</u> |
|---------------------|--|--|
| D | F21S 48/2206 | <administrative transfer to F21S 43/27> |
| D | F21S 48/2212 | <administrative transfer to F21S 43/26> |
| D | F21S 48/2218 | <administrative transfer to F21S 43/255> |
| D | F21S 48/2225 | <administrative transfer to F21S 43/235> |
| D | F21S 48/2231 | <administrative transfer to F21S 43/236> |
| D | F21S 48/2237 | <administrative transfer to F21S 43/237> |
| D | F21S 48/2243 | <administrative transfer to F21S 43/239> |
| D | F21S 48/225 | <administrative transfer to F21S 43/241> |
| D | F21S 48/2256 | <administrative transfer to F21S 43/242> |
| D | F21S 48/2262 | <administrative transfer to F21S 43/243> |
| D | F21S 48/2268 | <administrative transfer to F21S 43/245> |
| D | F21S 48/2275 | <administrative transfer to F21S 43/235> |
| D | F21S 48/2281 | <administrative transfer to F21S 43/249> |
| D | F21S 48/2287 | <administrative transfer to F21S 43/247> |
| D | F21S 48/2293 | <administrative transfer to F21S 43/251> |
| D | F21S 48/23 | <administrative transfer to F21S 43/30> |
| D | F21S 48/232 | <administrative transfer to F21S 43/37> |
| D | F21S 48/234 | <administrative transfer to F21S 43/31> |
| D | F21S 48/236 | <administrative transfer to F21S 43/315> |
| D | F21S 48/238 | <administrative transfer to F21S 43/33> |
| D | F21S 48/24 | <administrative transfer to F21S 43/40> |
| D | F21S 48/25 | <administrative transfer to F21S 43/50> |
| D | F21S 48/255 | <administrative transfer to F21S 43/51> |
| D | F21S 48/30 | <administrative transfer to F21S 45/00> |
| D | F21S 48/31 | <administrative transfer to F21S 45/10> |

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| <u>Type*</u> | <u>From CPC Symbol (existing)</u> | <u>To CPC Symbol(s)</u> |
|---------------------|--|--|
| D | F21S 48/32 | <administrative transfer to F21S 45/40> |
| D | F21S 48/321 | <administrative transfer to F21S 45/49> |
| D | F21S 48/323 | <administrative transfer to F21S 45/42> |
| D | F21S 48/325 | <administrative transfer to F21S 45/43> |
| D | F21S 48/326 | <administrative transfer to F21S 45/46> |
| D | F21S 48/328 | <administrative transfer to F21S 45/47> |
| D | F21S 48/33 | <administrative transfer to F21S 45/50> |
| D | F21S 48/332 | <administrative transfer to F21S 45/30> |
| D | F21S 48/335 | <administrative transfer to F21S 45/33> |
| D | F21S 48/337 | <administrative transfer to F21S 45/37> |
| D | F21S 48/34 | <administrative transfer to F21S 45/60> |
| D | F21W 2101/00 | <administrative transfer to F21W 2107/00> |
| D | F21W 2101/02 | <administrative transfer to F21W 2107/10> |
| D | F21W 2101/023 | <administrative transfer to F21W 2107/13> |
| D | F21W 2101/027 | <administrative transfer to F21W 2107/17> |
| D | F21W 2101/04 | <administrative transfer to F21W 2107/20> |
| D | F21W 2101/06 | <administrative transfer to F21W 2107/30> |
| D | F21W 2101/08 | <administrative transfer to F21W 2106/00> |
| D | F21W 2101/10 | <administrative transfer to F21W 2102/00> |
| D | F21W 2101/12 | <administrative transfer to F21W 2103/20> |
| D | F21W 2101/14 | <administrative transfer to F21W 2103/00> |
| Q | F21W 2102/00 | F21W 2102/00, F21W 2102/10, F21W 2102/13, F21W 2102/135, F21W 2102/14, F21W 2102/145, F21W 2102/15, F21W 2102/155, F21W 2102/16, F21W 2102/165, F21W 2102/17, F21W 2102/18, F21W 2102/19, F21W 2102/20, F21W 2102/30, F21W 2102/40, F21W 2105/00 |

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| <u>Type*</u> | <u>From CPC Symbol (existing)</u> | <u>To CPC Symbol(s)</u> |
|---------------------|--|---|
| Q | F21W 2103/00 | F21W 2103/00, F21W 2103/10, F21W 2103/15, F21W 2103/30, F21W 2103/35, F21W 2103/40, F21W 2103/45, F21W 2103/50, F21W 2103/55, F21W 2103/60, F21W 2105/00 |
| Q | F21W 2103/20 | F21W 2103/20, F21W 2103/25 |

* 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> |
|-------------|-------------|----------------|
| F21S 8/10 | | DELETE |
| F21S 8/12 | | DELETE |
| F21S 41/00 | F21S 41/00 | NEW |
| F21S 41/10 | F21S 41/10 | NEW |
| F21S 41/12 | F21S 41/12 | NEW |
| F21S 41/125 | F21S 41/125 | NEW |
| F21S 41/13 | F21S 41/13 | NEW |
| F21S 41/135 | F21S 41/135 | NEW |
| F21S 41/14 | F21S 41/14 | NEW |
| F21S 41/141 | F21S 41/141 | NEW |
| F21S 41/143 | F21S 41/143 | NEW |
| F21S 41/145 | F21S 41/145 | NEW |
| F21S 41/147 | F21S 41/147 | NEW |
| F21S 41/148 | F21S 41/148 | NEW |
| F21S 41/151 | F21S 41/151 | NEW |
| F21S 41/153 | F21S 41/153 | NEW |
| F21S 41/155 | F21S 41/155 | NEW |
| F21S 41/16 | F21S 41/16 | NEW |
| F21S 41/162 | F21S 41/162 | NEW |
| F21S 41/164 | F21S 41/164 | NEW |
| F21S 41/166 | F21S 41/166 | NEW |
| F21S 41/168 | F21S 41/168 | NEW |
| F21S 41/17 | F21S 41/17 | NEW |
| F21S 41/172 | F21S 41/172 | NEW |
| F21S 41/173 | F21S 41/173 | NEW |
| F21S 41/176 | F21S 41/176 | NEW |
| F21S 41/18 | F21S 41/14 | NEW |
| F21S 41/19 | F21S 41/19 | NEW |
| F21S 41/192 | F21S 41/19 | NEW |
| F21S 41/194 | F21S 41/19 | NEW |
| F21S 41/196 | F21S 41/19 | NEW |
| F21S 41/198 | F21S 41/19 | NEW |
| F21S 41/20 | F21S 41/20 | NEW |
| F21S 41/24 | F21S 41/24 | NEW |
| F21S 41/25 | F21S 41/25 | NEW |
| F21S 41/255 | F21S 41/255 | NEW |
| F21S 41/26 | F21S 41/26 | NEW |
| F21S 41/265 | F21S 41/265 | NEW |
| F21S 41/27 | F21S 41/27 | NEW |
| F21S 41/275 | F21S 41/275 | NEW |
| F21S 41/28 | F21S 41/20 | NEW |
| F21S 41/285 | F21S 41/20 | NEW |

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| <u>CPC</u> | <u>IPC</u> | <u>Action*</u> |
|-------------------|-------------------|-----------------------|
| F21S 41/29 | F21S 41/29 | NEW |
| F21S 41/295 | F21S 41/29 | NEW |
| F21S 41/30 | F21S 41/30 | NEW |
| F21S 41/32 | F21S 41/32 | NEW |
| F21S 41/321 | F21S 41/32 | NEW |
| F21S 41/322 | F21S 41/32 | NEW |
| F21S 41/323 | F21S 41/32 | NEW |
| F21S 41/33 | F21S 41/33 | NEW |
| F21S 41/331 | F21S 41/33 | NEW |
| F21S 41/332 | F21S 41/33 | NEW |
| F21S 41/333 | F21S 41/33 | NEW |
| F21S 41/334 | F21S 41/33 | NEW |
| F21S 41/335 | F21S 41/33 | NEW |
| F21S 41/336 | F21S 41/33 | NEW |
| F21S 41/337 | F21S 41/33 | NEW |
| F21S 41/338 | F21S 41/33 | NEW |
| F21S 41/36 | F21S 41/36 | NEW |
| F21S 41/365 | F21S 41/365 | NEW |
| F21S 41/37 | F21S 41/37 | NEW |
| F21S 41/39 | F21S 41/39 | NEW |
| F21S 41/395 | F21S 41/39 | NEW |
| F21S 41/40 | F21S 41/40 | NEW |
| F21S 41/43 | F21S 41/43 | NEW |
| F21S 41/435 | F21S 41/43 | NEW |
| F21S 41/47 | F21S 41/47 | NEW |
| F21S 41/50 | F21S 41/50 | NEW |
| F21S 41/55 | F21S 41/55 | NEW |
| F21S 41/60 | F21S 41/60 | NEW |
| F21S 41/62 | F21S 41/62 | NEW |
| F21S 41/63 | F21S 41/63 | NEW |
| F21S 41/635 | F21S 41/63 | NEW |
| F21S 41/64 | F21S 41/64 | NEW |
| F21S 41/645 | F21S 41/64 | NEW |
| F21S 41/65 | F21S 41/65 | NEW |
| F21S 41/657 | F21S 41/657 | NEW |
| F21S 41/663 | F21S 41/663 | NEW |
| F21S 41/67 | F21S 41/67 | NEW |
| F21S 41/675 | F21S 41/675 | NEW |
| F21S 41/68 | F21S 41/68 | NEW |
| F21S 41/683 | F21S 41/683 | NEW |
| F21S 41/686 | F21S 41/686 | NEW |
| F21S 41/689 | F21S 41/689 | NEW |
| F21S 41/692 | F21S 41/692 | NEW |
| F21S 41/695 | F21S 41/695 | NEW |
| F21S 41/698 | F21S 41/698 | NEW |

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| <u>CPC</u> | <u>IPC</u> | <u>Action*</u> |
|-------------------|-------------------|-----------------------|
| F21S 43/00 | F21S 43/00 | NEW |
| F21S 43/10 | F21S 43/10 | NEW |
| F21S 43/13 | F21S 43/13 | NEW |
| F21S 43/14 | F21S 43/14 | NEW |
| F21S 43/145 | F21S 43/145 | NEW |
| F21S 43/15 | F21S 43/15 | NEW |
| F21S 43/16 | F21S 43/16 | NEW |
| F21S 43/19 | F21S 43/19 | NEW |
| F21S 43/195 | F21S 43/19 | NEW |
| F21S 43/20 | F21S 43/20 | NEW |
| F21S 43/235 | F21S 43/235 | NEW |
| F21S 43/236 | F21S 43/236 | NEW |
| F21S 43/237 | F21S 43/237 | NEW |
| F21S 43/239 | F21S 43/239 | NEW |
| F21S 43/241 | F21S 43/241 | NEW |
| F21S 43/242 | F21S 43/242 | NEW |
| F21S 43/243 | F21S 43/243 | NEW |
| F21S 43/245 | F21S 43/245 | NEW |
| F21S 43/247 | F21S 43/247 | NEW |
| F21S 43/249 | F21S 43/249 | NEW |
| F21S 43/251 | F21S 43/251 | NEW |
| F21S 43/255 | F21S 43/20 | NEW |
| F21S 43/26 | F21S 43/20 | NEW |
| F21S 43/27 | F21S 43/27 | NEW |
| F21S 43/30 | F21S 43/30 | NEW |
| F21S 43/31 | F21S 43/31 | NEW |
| F21S 43/315 | F21S 43/31 | NEW |
| F21S 43/33 | F21S 43/33 | NEW |
| F21S 43/37 | F21S 43/37 | NEW |
| F21S 43/40 | F21S 43/40 | NEW |
| F21S 43/50 | F21S 43/50 | NEW |
| F21S 43/51 | F21S 43/50 | NEW |
| F21S 45/00 | F21S 45/00 | NEW |
| F21S 45/10 | F21S 45/10 | NEW |
| F21S 45/20 | F21S 45/20 | NEW |
| F21S 45/30 | F21S 45/30 | NEW |
| F21S 45/33 | F21S 45/33 | NEW |
| F21S 45/37 | F21S 45/37 | NEW |
| F21S 45/40 | F21S 45/40 | NEW |
| F21S 45/42 | F21S 45/42 | NEW |
| F21S 45/43 | F21S 45/43 | NEW |
| F21S 45/435 | F21S 45/435 | NEW |
| F21S 45/46 | F21S 45/46 | NEW |
| F21S 45/465 | F21S 45/465 | NEW |
| F21S 45/47 | F21S 45/47 | NEW |

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| <u>CPC</u> | <u>IPC</u> | <u>Action*</u> |
|-------------------|-------------------|-----------------------|
| F21S 45/48 | F21S 45/48 | NEW |
| F21S 45/49 | F21S 45/49 | NEW |
| F21S 45/50 | F21S 45/50 | NEW |
| F21S 45/60 | F21S 45/60 | NEW |
| F21S 45/70 | F21S 45/70 | NEW |
| F21S 48/00 | | DELETE |
| F21S 48/10 | | DELETE |
| F21S 48/11 | | DELETE |
| F21S 48/1104 | | DELETE |
| F21S 48/1109 | | DELETE |
| F21S 48/1113 | | DELETE |
| F21S 48/1118 | | DELETE |
| F21S 48/1122 | | DELETE |
| F21S 48/1127 | | DELETE |
| F21S 48/1131 | | DELETE |
| F21S 48/1136 | | DELETE |
| F21S 48/114 | | DELETE |
| F21S 48/1145 | | DELETE |
| F21S 48/115 | | DELETE |
| F21S 48/1154 | | DELETE |
| F21S 48/1159 | | DELETE |
| F21S 48/1163 | | DELETE |
| F21S 48/1168 | | DELETE |
| F21S 48/1172 | | DELETE |
| F21S 48/1177 | | DELETE |
| F21S 48/1181 | | DELETE |
| F21S 48/1186 | | DELETE |
| F21S 48/119 | | DELETE |
| F21S 48/1195 | | DELETE |
| F21S 48/12 | | DELETE |
| F21S 48/1208 | | DELETE |
| F21S 48/1216 | | DELETE |
| F21S 48/1225 | | DELETE |
| F21S 48/1233 | | DELETE |
| F21S 48/1241 | | DELETE |
| F21S 48/125 | | DELETE |
| F21S 48/1258 | | DELETE |
| F21S 48/1266 | | DELETE |
| F21S 48/1275 | | DELETE |
| F21S 48/1283 | | DELETE |
| F21S 48/1291 | | DELETE |
| F21S 48/13 | | DELETE |
| F21S 48/1305 | | DELETE |
| F21S 48/1311 | | DELETE |
| F21S 48/1317 | | DELETE |

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| <u>CPC</u> | <u>IPC</u> | <u>Action*</u> |
|--------------|------------|----------------|
| F21S 48/1323 | | DELETE |
| F21S 48/1329 | | DELETE |
| F21S 48/1335 | | DELETE |
| F21S 48/1341 | | DELETE |
| F21S 48/1347 | | DELETE |
| F21S 48/1352 | | DELETE |
| F21S 48/1358 | | DELETE |
| F21S 48/1364 | | DELETE |
| F21S 48/137 | | DELETE |
| F21S 48/1376 | | DELETE |
| F21S 48/1382 | | DELETE |
| F21S 48/1388 | | DELETE |
| F21S 48/1394 | | DELETE |
| F21S 48/14 | | DELETE |
| F21S 48/142 | | DELETE |
| F21S 48/145 | | DELETE |
| F21S 48/147 | | DELETE |
| F21S 48/15 | | DELETE |
| F21S 48/155 | | DELETE |
| F21S 48/17 | | DELETE |
| F21S 48/1705 | | DELETE |
| F21S 48/171 | | DELETE |
| F21S 48/1715 | | DELETE |
| F21S 48/1721 | | DELETE |
| F21S 48/1726 | | DELETE |
| F21S 48/1731 | | DELETE |
| F21S 48/1736 | | DELETE |
| F21S 48/1742 | | DELETE |
| F21S 48/1747 | | DELETE |
| F21S 48/1752 | | DELETE |
| F21S 48/1757 | | DELETE |
| F21S 48/1763 | | DELETE |
| F21S 48/1768 | | DELETE |
| F21S 48/1773 | | DELETE |
| F21S 48/1778 | | DELETE |
| F21S 48/1784 | | DELETE |
| F21S 48/1789 | | DELETE |
| F21S 48/1794 | | DELETE |
| F21S 48/20 | | DELETE |
| F21S 48/21 | | DELETE |
| F21S 48/211 | | DELETE |
| F21S 48/212 | | DELETE |
| F21S 48/214 | | DELETE |
| F21S 48/215 | | DELETE |
| F21S 48/217 | | DELETE |

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| <u>CPC</u> | <u>IPC</u> | <u>Action*</u> |
|---------------|------------|----------------|
| F21S 48/218 | | DELETE |
| F21S 48/22 | | DELETE |
| F21S 48/2206 | | DELETE |
| F21S 48/2212 | | DELETE |
| F21S 48/2218 | | DELETE |
| F21S 48/2225 | | DELETE |
| F21S 48/2231 | | DELETE |
| F21S 48/2237 | | DELETE |
| F21S 48/2243 | | DELETE |
| F21S 48/225 | | DELETE |
| F21S 48/2256 | | DELETE |
| F21S 48/2262 | | DELETE |
| F21S 48/2268 | | DELETE |
| F21S 48/2275 | | DELETE |
| F21S 48/2281 | | DELETE |
| F21S 48/2287 | | DELETE |
| F21S 48/2293 | | DELETE |
| F21S 48/23 | | DELETE |
| F21S 48/232 | | DELETE |
| F21S 48/234 | | DELETE |
| F21S 48/236 | | DELETE |
| F21S 48/238 | | DELETE |
| F21S 48/24 | | DELETE |
| F21S 48/25 | | DELETE |
| F21S 48/255 | | DELETE |
| F21S 48/30 | | DELETE |
| F21S 48/31 | | DELETE |
| F21S 48/32 | | DELETE |
| F21S 48/321 | | DELETE |
| F21S 48/323 | | DELETE |
| F21S 48/325 | | DELETE |
| F21S 48/326 | | DELETE |
| F21S 48/328 | | DELETE |
| F21S 48/33 | | DELETE |
| F21S 48/332 | | DELETE |
| F21S 48/335 | | DELETE |
| F21S 48/337 | | DELETE |
| F21S 48/34 | | DELETE |
| F21W 2101/00 | | DELETE |
| F21W 2101/02 | | DELETE |
| F21W 2101/023 | | DELETE |
| F21W 2101/027 | | DELETE |
| F21W 2101/04 | | DELETE |
| F21W 2101/06 | | DELETE |
| F21W 2101/08 | | DELETE |

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| <u>CPC</u> | <u>IPC</u> | <u>Action*</u> |
|---------------|--------------|----------------|
| F21W 2101/10 | | DELETE |
| F21W 2101/12 | | DELETE |
| F21W 2101/14 | | DELETE |
| F21W 2102/00 | F21W 102/00 | NEW |
| F21W 2102/10 | F21W 102/10 | NEW |
| F21W 2102/13 | F21W 102/13 | NEW |
| F21W 2102/135 | F21W 102/135 | NEW |
| F21W 2102/14 | F21W 102/14 | NEW |
| F21W 2102/145 | F21W 102/145 | NEW |
| F21W 2102/15 | F21W 102/15 | NEW |
| F21W 2102/155 | F21W 102/155 | NEW |
| F21W 2102/16 | F21W 102/16 | NEW |
| F21W 2102/165 | F21W 102/165 | NEW |
| F21W 2102/17 | F21W 102/17 | NEW |
| F21W 2102/18 | F21W 102/18 | NEW |
| F21W 2102/19 | F21W 102/19 | NEW |
| F21W 2102/20 | F21W 102/20 | NEW |
| F21W 2102/30 | F21W 102/30 | NEW |
| F21W 2102/40 | F21W 102/40 | NEW |
| F21W 2103/00 | F21W 103/00 | NEW |
| F21W 2103/10 | F21W 103/10 | NEW |
| F21W 2103/15 | F21W 103/15 | NEW |
| F21W 2103/20 | F21W 103/20 | NEW |
| F21W 2103/25 | F21W 103/25 | NEW |
| F21W 2103/30 | F21W 103/30 | NEW |
| F21W 2103/35 | F21W 103/35 | NEW |
| F21W 2103/40 | F21W 103/40 | NEW |
| F21W 2103/45 | F21W 103/45 | NEW |
| F21W 2103/50 | F21W 103/50 | NEW |
| F21W 2103/55 | F21W 103/55 | NEW |
| F21W 2103/60 | F21W 103/60 | NEW |
| F21W 2104/00 | F21W 104/00 | NEW |
| F21W 2105/00 | F21W 105/00 | NEW |
| F21W 2106/00 | F21W 106/00 | NEW |
| F21W 2107/00 | F21W 107/00 | NEW |
| F21W 2107/10 | F21W 107/10 | NEW |
| F21W 2107/13 | F21W 107/13 | NEW |
| F21W 2107/17 | F21W 107/17 | NEW |
| F21W 2107/20 | F21W 107/20 | NEW |
| F21W 2107/30 | F21W 107/30 | 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.”

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- 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> |
|--|---|---|
| B60Q 1/0064 | F21S 48/1104 | F21S 41/19 |
| B60Q 1/0064 | F21S 48/15 | F21S 41/50 |
| B60Q 1/0064 | F21S 48/211 | F21S 43/19 |
| B60Q 1/007 | F21S 48/1104 | F21S 41/19 |
| B60Q 1/007 | F21S 48/211 | F21S 43/19 |
| B60Q 1/0088 | F21S 48/1109 | F21S 41/192 |
| B60Q 1/0088 | F21S 48/212 | F21S 43/195 |
| B60Q 1/0458 | F21S 48/15 | F21S 41/50 |
| B60Q 1/20 | F21S 8/12 | F21S 8/12 |
| B60Q 1/26 | F21S 48/20 | F21S 48/20 |
| B61L 5/1854 | F21S 48/00 | F21S 48/00 |
| F21V 13/04 | F21S 48/24 | F21S 43/40 |
| F21V 14/02 | F21S 48/1742 | F21S 41/657 |
| F21V 14/04 | F21S 48/1757 | F21S 41/675 |
| F21V 14/06 | F21S 48/1721 | F21S 41/635 |
| F21V 27/00 | F21S 48/1109 | F21S 41/192 |
| F21V 27/00 | F21S 48/212 | F21S 43/195 |
| F21V 31/03 | F21S 48/335 | F21S 45/33 |
| F21V 31/03 | F21S 48/337 | F21S 41/192 |
| G02B 6/0001 | F21S 48/2225 | F21S 43/235 |

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> |
|--|---|--|---|
| B60K 35/00 | F21S 8/10 | Limiting references | Delete text and symbol |
| B60K 37/00 | F21S 8/10 | Informative references | Delete text and symbol |
| B60K 37/02 | F21S 8/10 | Informative references | Delete text and symbol |
| B60Q | F21S 48/00 | Relationships with other classification places | F21S 41/00, F21S 43/00 |

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| <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> |
|--|---|---------------------------------|---|
| B60Q 1/00 | F21S 48/1109 | Definition statement | F21S 41/192 |
| B60Q 1/00 | F21S 48/211 | Definition statement | F21S 43/19 |
| B61L | F21S 8/10 | Informative references | F21S 41/00, F21S 43/00 |
| B62J 6/00 | F21S 8/10 | Informative references | F21S 41/00, F21S 43/00 |
| B62J 6/02 | F21S 8/10 | Informative references | F21S 41/00 |
| B63B 45/00 | F21W 2101/04 | Informative references | F21W 2107/20 |
| F21V 3/00 | F21S 48/12 | Informative references | F21S 41/20 |
| F21V 3/00 | F21S 48/22 | Informative references | F21S 43/20 |
| F21V 5/00 | F21S 48/12 | Informative references | F21S 41/20 |
| F21V 5/00 | F21S 48/22 | Informative references | F21S 43/20 |
| F21V 7/00 | F21S 48/13 | Informative references | F21S 41/30 |
| F21V 7/00 | F21S 48/23 | Informative references | F21S 43/30 |
| F21V 7/0091 | F21S 48/1329 | Limiting references | F21S 41/322 |
| F21V 7/0091 | F21S 48/236 | Special rules of classification | F21S 43/315 |
| F21V9/00 | F21S 48/12 | Informative references | F21S 41/20 |
| F21V9/00 | F21S 48/22 | Informative references | F21S 43/20 |
| F21V 11/00 | F21S 48/14 | Informative references | F21S 41/40 |
| F21V 13/00 | F21S 48/24 | Informative references | F21S 43/40 |
| F21V 14/003 | F21S 48/1731 | Informative references | F21S 41/645 |
| F21V 14/08 | F21S 48/1768 | Informative references | F21S 41/683 |

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| <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> |
|--|---|---------------------------------|---|
| F21V 17/00 | F21S 48/1208 | Application-oriented references | F21S 41/29 |
| F21V 17/00 | F21S 48/1305 | Application-oriented references | F21S 41/39 |
| F21V 17/00 | F21S 48/155 | Application-oriented references | F21S 41/55 |
| F21V 17/00 | F21S 48/2206 | Application-oriented references | F21S 43/27 |
| F21V 17/00 | F21S 48/232 | Application-oriented references | F21S 43/37 |
| F21V 19/00 | F21S 48/1104 | Limiting references | F21S 41/19 |
| F21V 19/00 | F21S 48/211 | Limiting references | F21S 43/19 |
| F21V 19/001 | F21S 48/1109 | Limiting references | F21S 41/192 |
| F21V 19/001 | F21S 48/212 | Limiting references | F21S 43/195 |
| F21V 23/00 | F21S 48/1109 | Informative references | F21S 41/192 |
| F21V 27/00 | F21S 48/1109 | Limiting references | F21S 41/192 |
| F21V 27/00 | F21S 48/212 | Limiting references | F21S 43/195 |
| F21V 29/00 | F21S 48/32 | Application-oriented references | F21S 45/40 |
| F21V 31/00 | F21S 48/33 | Informative references | F21S 45/50 |
| G02B 6/0001 | F21S 48/2225 | Informative references | F21S 43/235 |

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.

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- 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.