

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 471

DATE: FEBRUARY 1, 2018

PROJECT RP0483

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:	F21V	3/0409, 3/0418, 3/0427, 3/0436, 3/0445, 3/0454, 3/0463, 3/0472, 3/0481
	F21V	9/10, 9/16
Symbols New:	F21V	1/17
	F21V	3/06, 3/061, 3/0615, 3/062, 3/0625, 3/063, 3/08, 3/10, 3/12
	F21V	5/10
	F21V	7/24, 7/26, 7/28, 7/30
	F21V	9/20, 9/30, 9/32, 9/35, 9/38, 9/40, 9/45
Titles Changed:	F21V	3/04
	F21V	7/0066, 7/22
	F21V	9/00, 9/02, 9/04, 9/06, 9/08
	F21V	13/00, 13/08, 13/14
	F21V	14/00, 14/003
Warnings New	F21V	1/16, 1/17, 1/20,1/22
	F21V	3/08, 3/12
	F21V	5/002, 5/003, 5/004, 5/005, 5/006, 5/007, 5/008, 5/02, 5/04, 5/041, 5/043, 5/045, 5/046, 5/048, 5/06, 5/08, 5/10
	F21V	7/22, 7/24, 7/26, 7/28, 7/30
	F21V	9/00, 9/02, 9/04, 9/06, 9/083, 9/12, 9/20, 9/30, 9/32, 9/35, 9/38, 9/40, 9/45
	F21V	13/02, 13/08, 13/12, 13/14
	F21V	14/00
Warnings Modified	F21L	15/02
	F21V	5/00
	F21V	7/00
	F21V	9/08

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
DEFINITIONS:		
Definitions Deleted:	F21V	9/10
Definitions New:	F21V	9/30, 9/40
	F21K	9/64
	G02B	5/28
Definitions Modified:	F21V	1/08
	F21V	5/00, 5/007, 5/04
	F21V	7/00, 7/0066
	F21V	9/00, 9/02, 9/04, 9/06, 9/08
	F21V	11/00, 11/16
	F21V	13/00
	F21V	14/00, 14/003
	F21V	17/02

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):

B60Q, C04B, F21K, F21S

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 F21V - FUNCTIONAL FEATURES OR DETAILS OF LIGHTING DEVICES OR SYSTEMS THEREOF; STRUCTURAL COMBINATIONS OF LIGHTING DEVICES WITH OTHER ARTICLES, NOT OTHERWISE PROVIDED FOR

<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>
C	F21V 1/16	2	characterised by the material	F21V 1/16, F21V 1/17
N	F21V 1/17	3	the material comprising photoluminescent substances	
U	F21V 1/18	3	the material being paper	
C	F21V 1/20	3	the material being glass	F21V 1/20, F21V 1/17
C	F21V 1/22	3	the material being plastics	F21V 1/22, F21V 1/17
U	F21V 1/24	3	the material being metal	
M	F21V 3/04	1	characterised by materials, surface treatments or coatings	
D	F21V 3/0409	2	{characterised by the material}	<Administrative transfer to F21V 3/06>
D	F21V 3/0418	3	{the material being glass}	<Administrative transfer to F21V 3/061>
D	F21V 3/0427	4	{the material diffusing light, e.g. translucent glass}	<Administrative transfer to F21V 3/0615>
D	F21V 3/0436	3	{the material being plastics}	<Administrative transfer to F21V 3/062>
D	F21V 3/0445	4	{the material diffusing light, e.g. translucent plastics}	<Administrative transfer to F21V 3/0625>
D	F21V 3/0454	3	{comprising air or water bubbles, e.g. foamed materials}	<Administrative transfer to F21V 3/063>
D	F21V 3/0463	3	{comprising fluorescent or light-storing materials}	<Administrative transfer to F21V 3/08>
D	F21V 3/0472	2	{Coatings}	<Administrative transfer to F21V 3/10>
D	F21V 3/0481	3	{provided with fluorescent or light-storing materials}	<Administrative transfer to F21V 3/12>
U	F21V 3/049	2	{Patterns or structured surfaces for diffusing light, e.g. frosted surfaces}	
N	F21V 3/06	2	characterised by the material	
N	F21V 3/061	3	{the material being glass}	
N	F21V 3/0615	4	{the material diffusing light, e.g. translucent glass}	

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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	F21V 3/062	3	{the material being plastics}	
N	F21V 3/0625	4	{the material diffusing light, e.g. translucent plastics}	
N	F21V3/063	3	{comprising air or water bubbles, e.g. foamed materials}	
N	F21V 3/08	3	the material comprising photoluminescent substances	
N	F21V 3/10	2	characterised by coatings	
N	F21V 3/12	3	the coatings comprising photoluminescent substances	
C	F21V 5/00	0	Refractors for light sources (characterised by cooling arrangements F21V 29/504)	F21V 5/00, F21V 5/10
C	F21V 5/002	1	{using microoptical elements for redirecting or diffusing light}	F21V 5/002, F21V 5/10
C	F21V 5/003	2	{using holograms}	F21V 5/003, F21V 5/10
C	F21V 5/004	2	{using microlenses}	F21V 5/004, F21V 5/10
C	F21V 5/005	2	{using microprisms}	F21V 5/005, F21V 5/10
C	F21V 5/006	1	{applied to portable lighting devices}	F21V 5/006, F21V 5/10
C	F21V 5/007	1	{Array of lenses or refractors for a cluster of light sources, e.g. for arrangement of multiple light sources in one plane (combination of two or more refractors F21V5/008)}	F21V 5/007, F21V 5/10
C	F21V 5/008	1	{Combination of two or more successive refractors along an optical axis}	F21V 5/008, F21V 5/10
C	F21V 5/02	1	of prismatic shape (F21V5/04 takes precedence)	F21V 5/02, F21V 5/10
C	F21V 5/04	1	of lens shape	F21V 5/04, F21V 5/10
C	F21V 5/041	2	{Ball lenses}	F21V 5/041, F21V 5/10
C	F21V 5/043	2	{the lens having cylindrical faces, e.g. rod lenses, toric lenses}	F21V 5/043, F21V 5/10
C	F21V 5/045	2	{the lens having discontinuous faces, e.g. Fresnel lenses}	F21V 5/045, F21V 5/10
C	F21V 5/046	2	{the lens having a rotationally symmetrical shape about an axis for transmitting light in a direction mainly perpendicular to this axis, e.g. ring or annular lens with light source disposed inside the ring}	F21V 5/046, F21V 5/10

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C	F21V 5/048	2	{the lens being a simple lens adapted to cooperate with a point-like source for emitting mainly in one direction and having an axis coincident with the main light transmission direction, e.g. convergent or divergent lenses, plano-concave or plano-convex lenses}	F21V 5/048, F21V 5/10
C	F21V 5/06	1	Hanging lustres for chandeliers	F21V 5/06, F21V 5/10
C	F21V 5/08	1	producing an asymmetric light distribution	F21V 5/08, F21V 5/10
N	F21V 5/10	1	comprising photoluminescent material	
M	F21V 7/0066	1	{specially adapted to cooperate with point like light sources; specially adapted to cooperate with light sources the shape of which is unspecified (F21V7/16 - F21V7/30 take precedence)}	
C	F21V 7/22	1	characterised by materials, surface treatments or coatings, e.g. dichroic reflectors	F21V 7/22, F21V 7/24, F21V 7/26, F21V 7/28, F21V 7/30
N	F21V 7/24	2	characterised by the material	
N	F21V 7/26	3	the material comprising photoluminescent substances	
N	F21V 7/28	2	characterised by coatings	
N	F21V 7/30	3	the coatings comprising photoluminescent substances	
C	F21V 9/00	0	Elements for modifying spectral properties, polarisation or intensity of the light emitted, e.g. filters (coloured shades F21V 1/00; elements characterised by cooling arrangements F21V 29/502)	F21V 9/00, F21V 9/20
E	F21V 9/02	1	for simulating daylight (F21V 9/04, F21V 9/06 take precedence)	
C	F21V 9/04	1	for filtering out infrared radiation (dichroic reflectors F21V 7/22; using liquid-filled chambers F21V 9/12)	F21V 9/04, F21V 7/22, F21V 7/24, F21V 7/26, F21V 7/28, F21V 7/30
E	F21V 9/06	1	for filtering out ultra-violet radiation	
E	F21V 9/08	1	for producing coloured light, e.g. monochromatic; for reducing intensity of light (with provision for controlling the colour F21V 9/40)	
U	F21V 9/083	2	{for portable lighting devices}	
D	F21V 9/10	2	with provision for variation of the colour or intensity (F21V 9/12 takes precedence)	<administrative transfer to F21V 9/40>

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
U	F21V 9/14	1	for producing polarised light	
D	F21V 9/16		Selection of luminescent materials for screens	<administrative transfer to F21V 9/30>
N	F21V 9/20	1	Dichroic filters, i.e. devices operating on the principle of wave interference to pass specific ranges of wavelengths while cancelling others	
Q	F21V 9/30	1	Elements containing photoluminescent material distinct from or spaced from the light source (shades F21V 1/17; globes, bowls or cover glasses F21V 3/08, F21V 3/12; refractors F21V 5/10; reflectors F21V 7/26, F21V 7/30; elements with provision for controlling the spectral properties or intensity F21V 9/40)	F21V 9/30, F21V 1/17, F21V 3/08, F21V 3/12, F21V 5/10, F21V 7/26, F21V 7/30, F21V 9/02, F21V 9/06, F21V 9/08, F21V 9/32, F21V 9/35, F21V 9/38, F21V 9/40, F21V 9/45, F21V 13/08, F21V 13/14
N	F21V 9/32	2	characterised by the arrangement of the photoluminescent material	
N	F21V 9/35	3	at focal points, e.g. of refractors, lenses, reflectors or arrays of light sources	
N	F21V 9/38	2	Combination of two or more photoluminescent elements of different materials	
Q	F21V 9/40	1	with provision for controlling spectral properties, e.g. colour, or intensity	F21V 9/40, F21V 9/45
N	F21V 9/45	2	by adjustment of photoluminescent elements	
M	F21V 13/00	0	Producing particular characteristics or distribution of the light emitted by means of a combination of elements specified in two or more of main groups F21V 1/00 - F21V 11/00 (controlling the distribution of the light emitted by adjustment of elements F21V 14/00)	
C	F21V 13/02	1	Combinations of only two kinds of elements	F21V 13/02, F21V 13/08
E	F21V 13/08	2	the elements being filters or photoluminescent elements and reflectors	
C	F21V 13/12	1	Combinations of only three kinds of elements	F21V 13/12, F21V 13/14
E	F21V 13/14	2	the elements being filters or photoluminescent elements, reflectors and refractors	

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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#
C	F21V 14/00	0	Controlling the distribution of the light emitted by adjustment of elements (reflectors with provision for adjusting the curvature F21V 7/16; light filters or the like with provision for controlling the colour or intensity F21V 9/40; screens using adjustable parallel laminae or strips F21V 11/04; screens using iris-type diaphragms F21V 11/10; screens using movable sheets without apertures F21V 11/18; adjustable mountings for lighting devices F21V 21/14)	F21V 14/00, F21V 9/40, F21V 9/45
M	F21V 14/003	1	{by interposition of elements with electrically controlled variable light transmissivity, e.g. liquid crystal elements or electrochromic devices}	

*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 F21L - LIGHTING DEVICES OR SYSTEMS THEREOF, BEING PORTABLE OR SPECIALLY ADAPTED FOR TRANSPORTATION

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
M	F21L15/02	Group F21L 15/02 is no longer used for the classification of documents as of [2017-02-01]. The content of this group is being reclassified into groups F21L2/00, F21L4/00-F21L4/085, F21V3/00-F21V3/049, F21V5/00-F21V5/08, F21V7/00-F21V7/22, F21V13/00-F21V13/14, F21V14/025, F21V14/045, and F21V14/065. All groups listed in this Warning should be considered in order to perform a complete search.	Group F21L 15/02 is no longer used for the classification of documents as of February 1, 2017. The content of this group is being reclassified into groups F21L 2/00, F21L 4/00 - F21L 4/085, F21V 3/00 - F21V 3/12, F21V 3/049, F21V 5/00 - F21V 5/08, F21V 7/00 - F21V 7/22, F21V 13/00 - F21V 13/14, F21V 14/025, F21V 14/045, and F21V 14/065. All groups listed in this Warning should be considered in order to perform a complete search.

SUBCLASS F21V - FUNCTIONAL FEATURES OR DETAILS OF LIGHTING DEVICES OR SYSTEMS THEREOF; STRUCTURAL COMBINATIONS OF LIGHTING DEVICES WITH OTHER ARTICLES, NOT OTHERWISE PROVIDED FOR

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
N	F21V 1/16		Group F21V 1/16 is impacted by reclassification into group F21V 1/17. Groups F21V 1/16 and F21V 1/17 should be considered in order to perform a complete search.
N	F21V 1/17		Group F21V 1/17 is incomplete pending reclassification of documents from groups F21V 1/16, F21V 1/20, F21V 1/22, and F21V 9/30. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 1/20		Group F21V 1/20 is impacted by reclassification into group F21V 1/17. Groups F21V 1/20 and F21V 1/17 should be considered in order to perform a complete search.

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N	F21V 1/22		Group F21V 1/22 is impacted by reclassification into group F21V 1/17. Groups F21V 1/22 and F21V 1/17 should be considered in order to perform a complete search.
N	F21V 3/08		Group F21V 3/08 is incomplete pending reclassification of documents from groups F21L 15/02 and F21V 9/30. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 3/12		Group F21V 3/12 is incomplete pending reclassification of documents from groups F21L 15/02 and F21V 9/30. All groups listed in this Warning should be considered in order to perform a complete search.
M	F21V 5/00	Groups F21V 5/00 - F21V 5/08 are incomplete pending reclassification of documents from group F21L 15/02. All groups listed in this Warning should be considered in order to perform a complete search.	Groups F21V 5/00 is incomplete pending reclassification of documents from group F21L 15/02. Group F21V 5/00 is also impacted by reclassification into group F21V 5/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 5/002		Group F21V 5/002 is incomplete pending reclassification of documents from group F21L 15/02. Group F21V 5/002 is also impacted by reclassification into group F21V 5/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 5/003		Group F21V 5/003 is incomplete pending reclassification of documents from group F21L 15/02. Group F21V 5/003 is also impacted by reclassification into group F21V 5/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 5/004		Group F21V 5/004 is incomplete pending reclassification of documents from group F21L 15/02. Group F21V 5/004 is also impacted by reclassification into group F21V 5/10. All groups listed in this Warning should be considered in order to perform a complete search.

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N	F21V 5/005		Group F21V 5/005 is incomplete pending reclassification of documents from group F21L 15/02. Group F21V 5/005 is also impacted by reclassification into group F21V 5/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 5/006		Group F21V 5/006 is incomplete pending reclassification of documents from group F21L 15/02. Group F21V 5/006 is also impacted by reclassification into group F21V 5/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 5/007		Group F21V 5/007 is incomplete pending reclassification of documents from group F21L 15/02. Group F21V 5/007 is also impacted by reclassification into group F21V 5/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 5/008		Group F21V 5/008 is incomplete pending reclassification of documents from group F21L 15/02. Group F21V 5/008 is also impacted by reclassification into group F21V 5/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 5/02		Group F21V 5/02 is incomplete pending reclassification of documents from group F21L 15/02. Group F21V 5/02 is also impacted by reclassification into group F21V 5/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 5/04		Group F21V 5/04 is incomplete pending reclassification of documents from group F21L 15/02. Group F21V 5/04 is also impacted by reclassification into group F21V 5/10. All groups listed in this Warning should be considered in order to perform a complete search.

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N	F21V 5/041		Group F21V 5/041 is incomplete pending reclassification of documents from group F21L 15/02. Group F21V 5/041 is also impacted by reclassification into group F21V 5/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 5/043		Group F21V 5/043 is incomplete pending reclassification of documents from group F21L 15/02. Group F21V 5/043 is also impacted by reclassification into group F21V 5/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 5/045		Group F21V 5/045 is incomplete pending reclassification of documents from group F21L 15/02. Group F21V 5/045 is also impacted by reclassification into group F21V 5/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 5/046		Group F21V 5/046 is incomplete pending reclassification of documents from group F21L 15/02. Group F21V 5/046 is also impacted by reclassification into group F21V 5/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 5/048		Group F21V 5/048 is incomplete pending reclassification of documents from group F21L 15/02. Group F21V 5/048 is also impacted by reclassification into group F21V 5/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 5/06		Group F21V 5/06 is incomplete pending reclassification of documents from group F21L 15/02. Group F21V 5/06 is also impacted by reclassification into group F21V 5/10. All groups listed in this Warning should be considered in order to perform a complete search.

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N	F21V 5/08		Group F21V 5/08 is incomplete pending reclassification of documents from group F21L 15/02. Group F21V 5/08 is also impacted by reclassification into group F21V 5/10. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 5/10		Group F21V 5/10 is incomplete pending reclassification of documents from groups F21V 5/00, F21V 5/002, F21V 5/003, F21V 5/004, F21V 5/005, F21V 5/006, F21V 5/007, F21V 5/008, F21V 5/02, F21V 5/04, F21V 5/041, F21V 5/043, F21V 5/045, F21V 5/046, F21V 5/048, F21V 5/06, F21V 5/08, and F21V 9/30. All groups listed in this Warning should be considered in order to perform a complete search.
M	F21V 7/00	Groups F21V7/00 - F21V7/22 are incomplete pending reclassification of documents from group F21L15/02. All groups listed in this Warning should be considered in order to perform a complete search.	Group F21V 7/00 is incomplete pending reclassification of documents from group F21L 15/02. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 7/22		Group F21V 7/22 is incomplete pending reclassification of documents from groups F21V 9/04 and F21L 15/02. Group F21V 7/22 is also impacted by reclassification into groups F21V 7/24, F21V 7/26, F21V 7/28, and F21V 7/30. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 7/24		Group F21V 7/24 is incomplete pending reclassification of documents from groups F21V 7/22 and F21V 9/04. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 7/26		Group F21V 7/26 is incomplete pending reclassification of documents from groups F21V 7/22, F21V 9/04, and F21V 9/30. All groups listed in this Warning should be considered in order to perform a complete search.

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N	F21V 7/28		Group F21V 7/28 is incomplete pending reclassification of documents from groups F21V 7/22 and F21V 9/04,. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 7/30		Group F21V 7/30 is incomplete pending reclassification of documents from groups F21V 7/22, F21V 9/04, and F21V 9/30. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 9/00		Group F21V 9/00 is impacted by reclassification into group F21V 9/20. Groups F21V 9/00 and F21V 9/20 should be considered in order to perform a complete search.
N	F21V 9/02		Group F21V 9/02 is incomplete pending reclassification of documents from group F21V 9/30. Groups F21V 9/30 and F21V 9/02 should be considered in order to perform a complete search.
N	F21V 9/04		Group F21V 9/04 is impacted by reclassification into groups F21V 7/22, F21V 7/24, F21V 7/26, F21V 7/28, and F21V 7/30. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 9/06		Group F21V 9/06 is incomplete pending reclassification of documents from group F21V 9/30. Groups F21V 9/30 and F21V 9/06 should be considered in order to perform a complete search.
M	F21V 9/08	Groups F21V 9/08 - F21V 9/12 are incomplete pending reclassification of documents from group F21L 15/04. All groups listed in this Warning should be considered in order to perform a complete search.	Group F21V 9/08 is incomplete pending reclassification of documents from groups F21V 9/30 and F21L 15/04. Groups F21V 9/30, F21V 9/08, and F21L 15/04 should be considered in order to perform a complete search.
N	F21V 9/083		Group F21V 9/083 is incomplete pending reclassification of documents from group F21L 15/04. Groups F21L 15/04 and F21V 9/083 should be considered in order to perform a complete search.

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N	F21V 9/12		Group F21V 9/12 is incomplete pending reclassification of documents from group F21L 15/04. Groups F21L 15/04 and F21V 9/12 should be considered in order to perform a complete search.
N	F21V 9/20		Group F21V 9/20 is incomplete pending reclassification of documents from group F21V 9/00. Groups F21V 9/00 and F21V 9/20 should be considered in order to perform a complete search.
N	F21V 9/30		Group F21V 9/30 is impacted by reclassification into groups F21V 1/17, F21V 3/08, F21V 3/12, F21V 5/10, F21V 7/26, F21V 7/30, F21V 9/02, F21V 9/06, F21V 9/08, F21V 9/32, F21V 9/35, F21V 9/38, F21V 9/40, F21V 9/45, F21V 13/08, and F21V 13/14. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 9/32		Group F21V 9/32 is incomplete pending reclassification of documents from group F21V 9/30. Groups F21V 9/30 and F21V 9/32 should be considered in order to perform a complete search.
N	F21V 9/35		Group F21V 9/35 is incomplete pending reclassification of documents from group F21V 9/30. Groups F21V 9/30 and F21V 9/35 should be considered in order to perform a complete search.
N	F21V 9/38		Group F21V 9/38 is incomplete pending reclassification of documents from group F21V 9/30. Groups F21V 9/30 and F21V 9/38 should be considered in order to perform a complete search.
N	F21V 9/40		Group F21V 9/40 is incomplete pending reclassification of documents from groups F21L 15/04, F21V 14/00 and F21V 9/30. Group F21V 9/40 is also impacted by reclassification into group F21V 9/45. All groups listed in this Warning should be considered in order to perform a complete search.

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N	F21V 9/45		Group F21V 9/45 is incomplete pending reclassification of documents from groups F21V 9/30, F21V 9/40, and F21V 14/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 13/02		Group F21V13/02 is incomplete pending reclassification of documents from F21L 15/02. Group F21V 13/02 is also impacted by reclassification into group F21V 13/08. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 13/08		Group F21V 13/08 is incomplete pending reclassification of documents from groups F21L 15/02, F21V 9/30 and F21V 13/02. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 13/12		Group F21V 13/12 is incomplete pending reclassification of documents from F21L 15/02. Group F21V 13/12 is also impacted by reclassification into group F21V 13/14. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 13/14		Group F21V 13/14 is incomplete pending reclassification of documents from groups F21L 15/02, F21V 9/30 and F21V 13/12. All groups listed in this Warning should be considered in order to perform a complete search.
N	F21V 14/00		Group F21V 14/00 is impacted by reclassification into groups F21V 9/40 and F21V 9/45. Groups F21V 14/00, F21V 9/40, and F21V 9/45 should be considered in order to perform a complete search.

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

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

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2. A. DEFINITIONS (new)

Insert the following new definitions.

F21V9/30

References

Limiting references

This place does not cover:

Shades containing photoluminescent material	F21V 1/17
Globes, bowls or cover glasses containing photoluminescent material	F21V 3/08, F21V 3/12
Refractors containing photoluminescent material	F21V 5/10
Reflectors containing photoluminescent material	F21V 7/26, F21V 7/30
Elements with provision for controlling the spectral properties or intensity containing photoluminescent material	F21V 9/40

Synonyms and Keywords

In patent documents, the following words/expressions are often used as synonyms:

- “luminescent materials”, “phosphorescent materials”, and “photoluminescent materials”

F21V9/40

References

Informative references

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

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Light filters for producing coloured light with liquid-filled chambers	F21V 9/12
--	---------------------------

F21K9/64

References

Informative references

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

Elements for modifying spectral properties, polarisation or intensity of the light emitted, e.g. filters	F21V 9/00
LED package where wavelength conversion elements forming part of or are in direct contact with the LED	H01L 33/50

G02B5/28

References

Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Use of dichroic reflectors in lighting devices	F21V 7/22
Use of dichroic filters in lighting devices	F21V 9/20

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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>
F21V 1/08	Informative references	Changing the characteristics or distribution of the light emitted by adjustment of parts F21V 14/00	<u>Replace</u> text only: Controlling the distribution of the light emitted by adjustment of elements F21V 14/00
F21V 5/00	Limiting references		<u>Insert</u> a new Limiting reference section/table: References Limiting references <i>This place does not cover:</i> Cooling arrangements for refractors F21V 29/504
F21V 5/007	Limiting references		<u>Insert</u> a new Limiting reference section/table: References Limiting references <i>This place does not cover:</i> Combination of two or more refractors F21V 5/008
F21V 5/04	Informative references	Simple or compound lenses G02B 3/00, G02B 17/09F	<u>Delete</u> the symbol G02B 17/09F
F21V 5/04	Informative references	Optical system adapting the beam shape of a semiconductor light source such as a laser diode or an LED, e.g. for efficiently coupling into optical fibres G02B 17/09F	<u>Replace</u> with new symbol, as shown below. Optical system adapting the beam shape of a semiconductor light source such as a laser diode or an LED, e.g. for efficiently coupling into optical fibres G02B19/0047
F21V 7/00	Relationships with other classification places		<u>Insert</u> a new Relationships with other classification places section: In the context of lighting, a "reflector" is a device which reflects light with desired characteristics and distribution, while a "filter" is a device which passes light with desired characteristics and distribution.
F21V 7/0066	Limiting references	Reflector characterised by the material; characterised by surface treatments or coatings F21V/22	<u>Replace</u> with new text and symbol, as shown below. Reflectors characterised by materials, surface treatments or coatings, e.g. dichroic reflectors F21V 7/22 - F21V 7/30

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F21V 9/00	Limiting references		<p><u>Insert</u> the following <u>new</u> row into the Limiting references table.</p> <p>References Limiting references <i>This place does not cover:</i></p> <p>Cooling arrangements for light filters F21V29/502</p>
F21V 9/00	Relationships with other classification places		<p><u>Insert</u> a new Relationships with other classification places section and the following text:</p> <p>In the context of lighting, a "filter" is a device which passes light with desired characteristics and distribution, while a "reflector" is a device which reflects light with desired characteristics and distribution.</p>
F21V 9/02	Limiting references	<p>Light filters for filtering out infra-red radiatio F21V9/04 Light filters for filtering out ultra-violet radiation F21V9/06 Light filters; Selection of luminescent materials for screens F21V9/16</p>	<p><u>Delete</u> the following existing row from the Limiting references table:</p> <p>Light filters; Selection of luminescent materials for screens F21V 9/16</p>
F21V 9/02	Limiting references	<p>Light filters for filtering out infra-red radiatio F21V9/04</p>	<p><u>Replace</u> the term “radiatio” with “radiation”.</p>
F21V 9/04	Informative references	<p>Light filters for producing coloured light with liquid-filled chambers F21V9/12</p>	<p><u>Delete</u> the entire Informative references section</p>
F21V 9/04	Limiting references		<p><u>Insert</u> a new Limiting reference section/ table with the following two rows:</p> <p>References Limiting references <i>This place does not cover:</i></p> <p>Dichroic reflectors F21V 7/22 Light filters for producing coloured light with liquid-filled chambers F21V 9/12</p>
F21V 9/06	Limiting references	<p>Light filters; Selection of luminescent materials for screens F21V9/16</p>	<p><u>Delete</u> the entire Limiting references section</p>
F21V 9/06	Informative references		<p><u>Insert</u> a new Informative reference section/ table with the following row:</p> <p>References Informative references <i>Attention is drawn to the following places, which may be of interest for search:</i></p>

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			Elements containing photoluminescent material distinct from or spaced from the light source F21V 9/30
F21V 9/08	Limiting references	Light filters; Selection of luminescent materials for screens F21V 9/16	<u>Delete</u> the text and row
F21V 9/08	Limiting references		<u>Insert</u> the following <u>new</u> row into the Limiting references table. Elements with provision for controlling spectral properties, e.g. colour, or intensity F21V 9/40
F21V 9/10	Entire definition		<u>Delete</u> definition section
F21V 11/00	Limiting references		<u>Insert</u> a new Limiting reference section/ table with the following row: References Limiting references <i>This place does not cover:</i> Cooling arrangements for screens not covered by groups F21V 1/00, F21V 3/00, F21V 7/00 or F21V 9/00 F21V 29/502
F21V 11/16	Limiting references	Screens using parallel laminae or strips F21V 11/02 Screens using crossed laminae or strips F21V 11/06	<u>Delete</u> the Limiting references section
F21V 11/16	Informative references		<u>Insert</u> a new Informative reference section/ table with the following two rows: References Informative references <i>Attention is drawn to the following places, which may be of interest for search</i> Screens using parallel laminae or strips F21V 11/02 Screens using crossed laminae or strips F21V 11/06
F21V 13/00	Informative references	By means of a combination of two or more elements covered by a single one of main groups F21V 1/00- F21V 11/00 F21V 1/00 - F21V 11/00 Changing the characteristics or distribution of the light emitted by adjustment of parts F21V 14/00 By means of a combination of reflectors and refractors for vehicle rear lamps F21S 43/40	<u>Delete</u> the following two rows from the Informative references table: By means of a combination of two or more elements covered by a single one of main groups F21V 1/00 - F21V 11/00 F21V 1/00 - F21V 11/00 Changing the characteristics or distribution of the light emitted by adjustment of parts F21V 14/00

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F21V 13/00	Limiting references		<p><u>Insert</u> a new Limiting reference section/table with the following row:</p> <p>References Limiting references <i>This place does not cover:</i></p> <p>Controlling the distribution of the light emitted by adjustment of elements F21V 14/00</p>
F21V 13/00	Relationships with other classification places		<p><u>Insert</u> a new Relationships with other classification places section and the following text:</p> <p>Producing particular characteristics or distribution of the light emitted by means of a combination of two or more elements that are all specified in a single of main groups F21V 1/00 - F21V 11/00 is classified in that main group.</p>
F21V 14/00	Limiting references	Light filters with provision for variation of colour or intensity F21V 9/10	<p><u>Replace</u> the existing text and symbol with the following new text:</p> <p>Light filters or the like with provision for controlling the colour or intensity F21V 9/40</p>
F21V 14/00	Limiting references	Screens using adjustable parallel laminae or strips, e.g. of Venetian-blind type F21V 11/04	<p><u>Replace</u> the existing text and symbol with the following new text:</p> <p>Screens using adjustable parallel laminae or strips F21V 11/04</p>
F21V 14/00	Limiting references	Screens using movable sheets without apertures, e.g. flaps or slides F21V 11/18	<p><u>Replace</u> the existing text and symbol with the following new text:</p> <p>Screens using movable sheets without apertures F21V 11/18</p>
F21V 14/003	Informative references	In vehicle headlamps F21S 41/645 Liquid crystal elements G02F 1/13	<p><u>Delete</u> the following text and row from the Informative references table:</p> <p>In vehicle headlamps F21S 41/645</p>

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<p>F21V 14/003</p>	<p>Application-oriented references</p>		<p><u>Insert</u> a new Application-oriented references section/ table with the following row:</p> <p>References Application-oriented references <i>Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:</i></p> <p>In vehicle headlamps F21S 41/645</p>
<p>F21V 17/02</p>	<p>Application-oriented references</p>	<p>Changing the characteristics or distribution of the light emitted by adjustment of parts F21V14/00</p>	<p><u>Replace</u> the existing text and symbol with the following new text:</p> <p>Controlling the distribution of the light emitted by adjustment of elements F21V 14/00</p>

NOTES:

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

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3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	F21V 1/16	F21V 1/16, F21V 1/17
C	F21V 1/20	F21V 1/20, F21V 1/17
C	F21V 1/22	F21V 1/22, F21V 1/17
D	F21V 3/0409	<Administrative transfer to F21V 3/06>
D	F21V 3/0418	<Administrative transfer to F21V 3/061>
D	F21V 3/0427	<Administrative transfer to F21V 3/0615>
D	F21V 3/0436	<Administrative transfer to F21V 3/062>
D	F21V 3/0445	<Administrative transfer to F21V 3/0625>
D	F21V 3/0454	<Administrative transfer to F21V 3/063>
D	F21V 3/0463	<Administrative transfer to F21V 3/08>
D	F21V 3/0472	<Administrative transfer to F21V 3/10>
D	F21V 3/0481	<Administrative transfer to F21V 3/12>
C	F21V 5/00	F21V 5/00, F21V 5/10
C	F21V 5/002	F21V 5/002, F21V 5/10
C	F21V 5/003	F21V 5/003, F21V 5/10
C	F21V 5/004	F21V 5/004, F21V 5/10
C	F21V 5/005	F21V 5/005, F21V 5/10
C	F21V 5/006	F21V 5/006, F21V 5/10
C	F21V 5/007	F21V 5/007, F21V 5/10
C	F21V 5/008	F21V 5/008, F21V 5/10
C	F21V 5/02	F21V 5/02, F21V 5/10
C	F21V 5/04	F21V 5/04, F21V 5/10
C	F21V 5/041	F21V 5/041, F21V 5/10
C	F21V 5/043	F21V 5/043, F21V 5/10
C	F21V 5/045	F21V 5/045, F21V 5/10
C	F21V 5/046	F21V 5/046, F21V 5/10
C	F21V 5/048	F21V 5/048, F21V 5/10
C	F21V 5/06	F21V 5/06, F21V 5/10
C	F21V 5/08	F21V 5/08, F21V 5/10
C	F21V 7/22	F21V 7/22, F21V 7/24, F21V 7/26, F21V 7/28, F21V 7/30
C	F21V 9/00	F21V 9/00, F21V 9/20
C	F21V 9/04	F21V 9/04, F21V 7/22, F21V 7/24, F21V 7/26, F21V 7/28, F21V 7/30
D	F21V 9/10	<administrative transfer to F21V 9/40>
D	F21V 9/16	<administrative transfer to F21V 9/30>

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Q	F21V 9/30	F21V 9/30, F21V 1/17, F21V 3/08, F21V 3/12, F21V 5/10, F21V 7/26, F21V 7/30, F21V 9/02, F21V 9/06, F21V 9/08, F21V 9/32, F21V 9/35, F21V 9/38, F21V 9/40, F21V 9/45, F21V 13/08, F21V 13/14
Q	F21V 9/40	F21V 9/40, F21V 9/45
C	F21V 13/02	F21V 13/02, F21V 13/08
C	F21V 13/12	F21V 13/12, F21V 13/14
C	F21V 14/00	F21V 14/00, F21V 9/40, F21V 9/45

* 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>
F21V 1/17	F21V 1/17	new
F21V 3/0409		delete
F21V 3/0418		delete
F21V 3/0427		delete
F21V 3/0436		delete
F21V 3/0445		delete
F21V 3/0454		delete
F21V 3/0463		delete
F21V 3/0472		delete
F21V 3/0481		delete
F21V 3/06	F21V 3/06	new
F21V 3/061	F21V 3/06	new
F21V 3/0615	F21V 3/06	new
F21V 3/062	F21V 3/06	new
F21V 3/0625	F21V 3/06	new
F21V 3/063	F21V 3/06	new
F21V 3/08	F21V 3/08	new
F21V 3/10	F21V 3/10	new
F21V 3/12	F21V 3/12	new
F21V 5/10	F21V 5/10	new
F21V 7/24	F21V 7/24	new
F21V 7/26	F21V 7/26	new
F21V 7/28	F21V 7/28	new
F21V 7/30	F21V 7/30	new
F21V 9/10		delete
F21V 9/16		delete
F21V 9/20	F21V 9/20	new
F21V 9/30	F21V 9/30	new
F21V 9/32	F21V 9/32	new
F21V 9/35	F21V 9/35	new
F21V 9/38	F21V 9/38	new
F21V 9/40	F21V 9/40	new
F21V 9/45	F21V 9/45	new

*Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with "NEW."

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

NOTES:

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

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5. CROSS-REFERENCE LIST (CRL)

Scheme references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
B60Q 1/06	F21V 14/00	<p>Delete the text of the reference for F21V 14/00:</p> <p>changing the characteristics or distribution of the light by adjustment of parts, e.g. reflectors, light sources, lenses, screens</p> <p>Insert the following text for the reference to F21V 14/00:</p> <p>controlling the distribution of the light emitted by adjustment of elements</p>

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>
C04B 35/00	F21V 9/16	Informative reference	<p>Delete the following text and symbol from the Informative references table:</p> <p>Luminescent materials for light screens F21V 9/16 and subgroups</p> <p>Insert the following new rows into the Informative references table:</p> <p>Shades containing photoluminescent material F21V 1/17</p> <p>Refractors containing photoluminescent material F21V 5/10</p> <p>Reflectors containing photoluminescent material F21V 7/26</p> <p>Elements containing photoluminescent</p>

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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>
			<p>material distinct from or spaced from the light source F21V 9/30</p> <p>Elements with provision for controlling the spectral properties or intensity containing photoluminescent material F21V 9/45</p>
C04B35/50	F21V9/16	Informative reference	<p><u>Delete</u> the following text and symbol from the Informative references table:</p> <p>Light filters; Selection of luminescent materials for light screens F21V 9/16</p> <p><u>Insert</u> the following new rows into the Informative references table:</p> <p>Shades containing photoluminescent material F21V 1/17</p> <p>Refractors containing photoluminescent material F21V 5/10</p> <p>Reflectors containing photoluminescent material F21V 7/26</p> <p>Elements containing photoluminescent material distinct from or spaced from the light source F21V9/30</p> <p>Elements with provision for controlling the spectral properties or intensity</p>

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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>
			containing photoluminescent material F21V 9/45
F21K	F21V 9/16	References out of a residual place	Delete: Selection of luminescent materials for light screens F21V 9/16
F21K 2/00	F21V 9/16	References out of a residual place	Delete: Using excitation by another light source F21V 9/16
F21S 8/00	F21V 14/00	Informative reference	Modify text of the reference: Controlling the distribution of the light emitted by adjustment of elements F21V 14/00
F21S 10/00	F21V 14/00	Informative reference	Modify text of the reference: Controlling the distribution of the light emitted by adjustment of elements F21V 14/00

NOTES:

- The CRL tables above are used for changes to locations outside of the project scope. Changes to references in scheme titles or definitions inside the project scope will be reflected in the “scheme change” template or one of the “definition” templates.
- In addition to other changes proposed in the tables above, in the column titled “Referenced subclass or group to be changed,” **referenced D** symbols should indicate an action of “delete” or should indicate a replacement symbol and **referenced F** symbols should indicate a replacement symbol.
- When a reference is deleted, text related to that reference will also be deleted unless other references or a range of references associated with the same text remain.