

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 359

DATE: FEBRUARY 1, 2017

PROJECT MP0341

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
<b>Title wording change:</b>	F21V	subclass
<b>Modified Definitions:</b>	F21V	subclass
	F21V	33/00

**No other subclasses/groups are impacted by this Notice of Changes.**

**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 Notice(s)
  - C. New, Modified or Deleted Note(s)
  - D. New, Modified or Deleted Guidance Heading(s)
2. DEFINITIONS (New or Modified)
  - A. DEFINITIONS (Full definition template)
  - B. DEFINITIONS (Definitions Quick Fix)
3.  REVISION CONCORDANCE LIST (RCL)
4.  CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
5.  CROSS-REFERENCE LIST (CRL)

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CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

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

\*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”.

## 2. A. DEFINITIONS (Modified)

### F21V

#### Definition statement

Delete: The following three lines of text from the Definition statement section:

Details of parts involved in light emission or distribution  
Details of those parts not involved in light emission or distribution, e.g. fittings  
Special adaptation related to the use of a non-electric light sources

Insert: The following replacement text in the Definition statement section:

Functional features or details of lighting devices or systems of lighting devices, for example:

Aspects related to light emission or distribution:

- Reflectors, refractors, light filters, shades, globes, bowls, cover glasses, or other screens, and fastening thereof
- Use of light guides
- Producing or changing characteristics or distribution of the light

Aspects not related to light emission or distribution, e.g. fittings:

- Protecting, supporting, suspending, or attaching arrangements for lighting devices
- Arrangements of electric circuit elements in or on lighting devices
- Fastening of light sources or lamp holders
- Safety devices or cable stowing arrangements structurally associated with lighting devices
- Cooling or heating arrangements
- Gas-tight or water-tight arrangements

Lighting devices combined with articles having a primary function unrelated to lighting that are not otherwise provided for.

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## References

Insert: The following new *Application-oriented references* section.

### ***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:*

Arrangements of signalling or lighting devices, the mounting or supporting thereof or circuits thereof for vehicles in general	<a href="#">B60Q</a>
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Insert: The following new *Informative references* section.

### ***Informative references***

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

Storing cable in general	<a href="#">B65H75/00</a>
Luminescent materials per se	<a href="#">C09K11/00</a>
Candles	<a href="#">C11C5/00</a>
Stands for supporting apparatus or articles in general	<a href="#">F16M11/00</a>
Safety devices in general	<a href="#">F16P</a>
Incandescent bodies heated by combustion. e.g. mantles	<a href="#">F21H</a>
Non-electric light sources using luminescence	<a href="#">F21K2/00</a>
Light sources using electrochemiluminescence	<a href="#">F21K2/08</a>
Light sources using charges of combustible material, e.g. illuminating flash devices	<a href="#">F21K5/00</a>
Light sources using semiconductor devices as light generating elements, e.g. using light-emitting diodes [LED] or lasers	<a href="#">F21K9/00</a>
Light sources not otherwise provided for	<a href="#">F21K99/00</a>
Burners	<a href="#">F23D</a>
Optical elements or systems in general	<a href="#">G02B</a>
Light guides per se, structural details of arrangements of light guides with other optical elements	<a href="#">G02B6/00</a>
Details of light guides adapted for lighting devices or systems	<a href="#">G02B6/0001</a>
Electric discharge tubes or discharge lamps	<a href="#">H01J</a>

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Electric incandescent lamps	H01K
Semiconductor devices specially adapted for light emission	H01L33/00
Organic semiconductor devices specially adapted for light emission	H01L51/50
Masers, lasers	H01S
Electric protective circuit arrangements per se	H02H7/00
Electric arc lamps	H05B31/00
Electroluminescent light sources	H05B33/00
Electric light sources using a combination of different types of light generation	H05B35/00
Circuit arrangements for light sources	H05B37/00 - H05B43/00

### **Limiting references**

Delete: The entire Limiting references section.

### **Special rules of classification:**

Delete: The following existing text in the Special rules of classification section.

"Invention information" is identified with ECLA symbols, whereas "additional information" is identified with Indexing Code symbols

Insert: The following replacement text in the Special rules of classification section.

Structural combinations of lighting devices with other articles are classified in [F21V33/00](#), unless specifically provided for elsewhere in this subclass or elsewhere in the CPC.

Details of non-electric lighting devices or systems are classified in groups [F21V35/00-F21V37/02](#) only if a special adaptation related to the use of a non-electric light source is of interest. If there is no such special adaptation, classification is made in a relevant general place, e.g. in [F21V21/00](#) for suspending arrangements.

In this subclass, it is desirable to add the indexing codes of subclass [F21W](#) in order to indicate the uses or applications of lighting devices, and of [F21Y](#) in order to indicate the form of the light sources of lighting devices.

Insert: The following new Glossary of terms section.

### **Glossary of terms**

*In this place, the following terms or expressions are used with the meaning indicated:*

Light source	The entity (e.g. light bulb, fluorescent tube, gas mantle or combustible charge) that generates light for a lighting device.
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## **F21V33/00**

### **Definition statement**

Delete: Only the following lines of text from the Definition statement section (do not delete the two images):

e.g.US2006109651

Illuminated banners or flags ([G09F17/00](#): banners or flags)

e.g.WO9742449

Illuminated flagpoles ([E04H12/32](#): flagpoles)

Insert: The following replacement text **before** the **first** image

Lighting devices that are combined with articles having a primary function unrelated to lighting and not otherwise provided for.

The figures below are examples of structural combinations of lighting devices with other articles.

- The device 20, supported on the flagpole, for properly illuminating a flag during the hours of darkness, is selectively energized so that it directs a beam of light 22 at the flag only during hours of darkness, proper for F21V33/00.

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Insert: The following replacement text **before** the **second** image.

- The invention relates to a flag-pole light provided by means of a luminous knob (1) comprising a light source (3) which is provided within a cover (2) and emits light rays that are reflected from reflecting surfaces (4, 5) through a translucent lower portion (2b) of the cover, proper for F21V33/00.

## References

Delete: The entire existing *Application-oriented references* section/table.

Insert: The following new *References out of a residual place* section:

### ***References out of a residual place***

*Examples of places in relation to which this place is residual:*

Lights for cultivation in receptacles, forcing frames, greenhouses	<a href="#">A01G9/20</a>
Light emitting leads or collars	<a href="#">A01K27/003</a> , <a href="#">A01K27/006</a>
Illuminating devices for fishing nets	<a href="#">A01K75/02</a>
Artificial bait for fishing with light emission	<a href="#">A01K85/01</a>
Rods with build-in accessories, e.g. lighting means or measuring devices	<a href="#">A01K87/007</a>
Gloves; Protective gloves with luminous or reflective means	<a href="#">A41D19/0157</a>
Luminous or luminescent artificial flowers, fruit, leaves, or trees	<a href="#">A41G1/005</a>
Helmet with lighting devices	<a href="#">A42B3/0433</a>
Footwear having light sources	<a href="#">A43B3/001</a>
Illuminated buckles	<a href="#">A44B11/2565</a>
Illuminated jewellery	<a href="#">A44C15/0015</a>
Walking sticks or umbrellas combined with illuminating devices	<a href="#">A45B3/02</a>
Purses, bags, luggage or the like combined with illuminating devices	<a href="#">A45C15/06</a>
Containers or accessories for handling toilet or cosmetic powder, combined with illuminating means	<a href="#">A45D33/32</a>
Illuminated shaving mirrors	<a href="#">A45D42/10</a>
Adaptations for incorporating lamps to chairs	<a href="#">A47C7/72</a>
Attachments for beds; Lighting, radio, telephone or the like	<a href="#">A47C21/003</a>

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connected to the bedstead	
Show cases or show cabinets with lighting devices	A47F3/001
Picture frames with illumination	A47G1/0622
Illuminated underlays for glasses or drinking vessels	A47G23/0309
Arrangement of illuminating devices on suction cleaners	A47L9/30
Medical instruments with illuminating arrangements for examining body cavities or tubes	A61B1/00
Dental machines for boring or cutting; Machine parts specially adapted for dentistry; Illuminating devices or attachments	A61C1/088
Apparatus for curing resins by radiation in dentistry	A61C19/003
Massage adapted for simultaneous treatment with light	A61H15/02
Clubs for gymnastics or the like with illuminating devices	A63B15/02
Balls with illuminating devices	A63B43/06
Roller skates or skate boards with illuminating devices	A63C17/26
Toy tops with illuminating arrangements	A63H1/24
Toy vehicles with electric lighting systems	A63H17/28
Devices on spanners, wrenches or screwdrivers for illuminating the head of the screw or the nut	B25B23/18
Hair clippers or dry shavers with means for illuminating the area to be shaved or clipped	B26B19/46
Razors with means for illuminating the skin	B26B 21/46
Typewriters or selective printing machines with illuminating devices for the print	B41J29/19
Support for notepads with light emitting devices	B42D5/007
Writing implements combined with illuminating devices	B43K29/10
Lamps for baking lacquers used in painting or artistic drawing	B44D3/24
Arrangements of signalling or lighting devices, the mounting or supporting thereof or circuits thereof for vehicles in general	B60Q
Railway light signals	B61L5/18
Illumination specially adapted for points, form signals or gates for railways	B61L9/00
Life-buoys, life-belts, lifejackets or the like characterised by signalling means, e.g. lights	B63C9/20
Closures being provided with transient audible or visual signaling means, e.g. illuminating devices	B65D51/248
Main component parts of lifts in, or associated with, buildings or other structures; cars and travelling platforms (doors, gates or other apparatus controlling access to or exit from cars; Constructional features, e.g. walls assembly, decorative panels, comfort equipment, thermal or sound insulation; Lighting systems.	B66B11/0233
Illuminating arrangements for apparatus for transferring liquids from bulk storage containers or reservoirs into vehicles or portable containers	B67D7/86



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Illuminating devices on locks or keys	E05B17/10
Stove illumination	F24C7/082
Illumination for oven cavities	F24C15/008
Air-treatment or air-conditioning systems with air-flow over lighting fixtures, e.g. for the purpose of using or dissipating the heat therefrom	F24F3/056, F24F13/078
Night sights with means for illuminating the target	F41G1/35
Levels with means for illuminating means for facilitating the observation of the position of the bubble	G01C9/32
Magnetic compasses with means for illuminating the compass card or needle	G01C17/24
Microscopes with means for illuminating the specimen	G02B21/06
Magnifying glasses with means for illuminating object viewed	G02B25/02
Optical systems or apparatus with illuminated fiducial marks or measuring scales	G02B27/34
Illuminating means for spectacles	G02C11/04
Liquid crystal cells associated with illuminating devices	G02F1/1336
Electrochromic cells associated with illuminating devices	G02F1/157
Illuminating scenes for taking photographs	G03B15/02
Combinations of cameras with lighting apparatus; Flash units	G03B15/03
Traffic lights	G08G1/095
Illuminated signs	G09F13/00
Illuminated advertising or display means on roads or walls	G09F19/22
Illuminated matter for advertising by aircraft	G09F21/10, G09F21/14
Illuminated matter for advertising on or in specific articles, e.g. ashtrays or letter-boxes	G09F23/04
Illuminated switches	H01H13/83
Indicating lamps in circuit-breaker switches	H01H73/14
Indicating lamps in fuse	H01H85/32
Lighting of aerials	H01Q1/06
Electric coupling devices with built-in light sources	H01R13/717
Pulse counter or frequency divider indicators using glow-discharge lamps	H03K21/20
Illumination of telephone sets	H04M1/22

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Insert: The following new *Informative references* section:

### **Informative references**

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

Aquaria	<a href="#">A01K63/06</a>
Catching insects	<a href="#">A01M1/04</a>
Baker's ovens	<a href="#">A21B3/10</a>
Show windows or showcases	<a href="#">A47F11/10</a>
Radiation therapy	<a href="#">A61N5/06</a>
Model railways	<a href="#">A63H19/20</a>
Guiding devices for portable power. driven tools	<a href="#">B25F5/021</a>
Photographic composing machines	<a href="#">B41B21/08</a>
Railway vehicles	<a href="#">B61D29/00</a>
Cycles	<a href="#">B62J6/00</a>
Ships	<a href="#">B63B45/00</a>
Aircraft	<a href="#">B64D47/02</a>
Sewing machines	<a href="#">D05B79/00</a>
Road signs	<a href="#">E01F9/615</a>
Road surface markings	<a href="#">E01F9/547</a>
Tents or canopies	<a href="#">E04H15/10</a>
Cooling or freezing apparatus	<a href="#">F25D27/00</a>
Furnaces, kilns, ovens or retorts	<a href="#">F27D21/02</a>
Measuring arrangements	<a href="#">G01D11/28</a>
Weighting apparatus	<a href="#">G01G23/30</a>
Thermometers	<a href="#">G01K1/06</a>
Speedometers	<a href="#">G01P1/08</a>
Instruments for measuring	<a href="#">G01R1/08</a>
Viewing or reading apparatus	<a href="#">G02B27/02</a>
Liquid crystals	<a href="#">G02F1/1335</a>
Contact photographic printing	<a href="#">G03B27/16</a>
Projection photographic printing	<a href="#">G03B27/54</a>
Clocks	<a href="#">G04B19/30</a>
Time indicated by electric lamps	<a href="#">G04C17/02</a>
Time signalling by electric lamps	<a href="#">G04C19/02</a>
Visible signalling or calling systems	<a href="#">G08B5/36</a>
Actuation of fire alarms	<a href="#">G08B17/103</a>
Advertising on ships	<a href="#">G09F21/20</a>
Indicating elements or instruments	<a href="#">G12B11/00</a>