

# CPC COOPERATIVE PATENT CLASSIFICATION

## F MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING (NOTE omitted)

### LIGHTING; HEATING

#### F21 LIGHTING (NOTE omitted)

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

##### NOTES

1. This subclass covers devices or systems designed or specially adapted to be carried, e.g. by hand, or otherwise transported from place to place, e.g. on wheeled supports, in order to provide illumination as and where required.
2. This subclass does not cover devices or systems intended for fixed installation, e.g. vehicle lighting, or for use essentially at a permanent location, which are covered by subclass [F21S](#).
3. Non-electric lighting devices are classified in groups [F21L 17/00-F21L 26/00](#) only if a special adaptation related to the use of a non-electric light source is of interest.

##### WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

**2001/00** {Portable electric lighting devices employing  
(Frozen) point-like light sources; Portable lighting devices employing light sources of unspecified shape, e.g. inspection lamps for mains connection}

##### WARNING

Group [F21L 2001/00](#) 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](#).

All groups listed in this Warning should be considered in order to perform a complete search.

##### Electric lighting

**2/00** Systems of electric lighting devices (systems employing both electric and non-electric light sources or exchangeable light sources [F21L 27/00](#))

##### WARNING

Group [F21L 2/00](#) is incomplete pending reclassification of documents from groups [F21L 15/00](#) - [F21L 15/14](#), [F21L 2001/00](#), [F21L 2003/00](#), [F21L 2005/00](#) and [F21L 25/00](#).

All groups listed in this Warning should be considered in order to perform a complete search.

##### Portable electric lighting devices

**2003/00** {Portable electric lighting devices employing linear  
(Frozen) light sources}

##### WARNING

Group [F21L 2003/00](#) 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](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**4/00** Electric lighting devices with self-contained electric batteries or cells

##### WARNING

Groups [F21L 4/00](#) - [F21L 4/085](#) are incomplete pending reclassification of documents from groups [F21L 15/00](#) - [F21L 15/14](#), [F21L 2001/00](#), [F21L 2003/00](#), [F21L 2005/00](#) and [F21L 25/00](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 4/005 . {the device being a pocket lamp ([F21L 4/022](#), [F21L 4/045](#), [F21L 4/085](#) take precedence)}
- 4/02 . characterised by the provision of two or more light sources
- 4/022 . . {Pocket lamps}
- 4/025 . . . {the light sources being of different shape or type}
- 4/027 . . . {the light sources being a LED}
- 4/04 . characterised by the provision of a light source housing portion adjustably fixed to the remainder of the device
- 4/045 . . {Pocket lamps}

- 4/06 . with the light source coupled to the remainder of the device solely by cable
- 4/08 . characterised by means for in situ recharging of the batteries or cells
- 4/085 . . {Pocket lamps}

**2005/00** {Portable electric lighting devices employing  
(Frozen) light sources of shapes not covered by group  
[F21L 2001/00](#) or [F21L 2003/00](#)}

**WARNING**

Group [F21L 2005/00](#) 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](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**13/00** Electric lighting devices with built-in electric generators (with solar cells [F21L 4/00](#))

- 13/02 . with fluid drive
- 13/04 . . actuated by hand
- 13/06 . with mechanical drive, e.g. spring
- 13/08 . . by reciprocating pusher actuated by hand

**14/00** Electric lighting devices without a self-contained power source, e.g. for mains connection

- 14/02 . capable of hand-held use, e.g. inspection lamps
- 14/023 . . {having two or more, or different light sources}
- 14/026 . . {having a linear light source}
- 14/04 . carried on wheeled supports

**15/00** {Details of kinds solely applicable to the devices  
(Frozen) covered by groups [F21L 2/00](#) - [F21L 14/00](#)}

**WARNING**

Group [F21L 15/00](#) 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](#).

Groups [F21L 15/00](#), [F21L 2/00](#), and [F21L 4/00](#) - [F21L 4/085](#) should be considered in order to perform a complete search.

- 15/02 . {concerned with light emission or distribution}  
(Frozen)

**WARNING**

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.

- 15/04 . . {Arrangements of coloured filters or screens}  
(Frozen)

**WARNING**

Group [F21L 15/04](#) 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 9/08](#)-[F21V 9/12](#), [F21V 11/00](#)-[F21V 11/186](#), and [F21V 14/085](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 15/06 . {concerned with the fitting}  
(Frozen)

**WARNING**

Group [F21L 15/06](#) 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 19/00](#)-[F21V 19/04](#), and [F21V 23/00](#)-[F21V 23/06](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 15/08 . . {Supporting and suspending elements}  
(Frozen)

**WARNING**

Groups [F21L 15/08](#) 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 21/08](#)-[F21V 21/0965](#), and [F21V 21/14](#)-[F21V 21/32](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 15/10 . . . {without arrangements for adjustment}  
(Frozen)

**WARNING**

Group [F21L 15/10](#) 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](#), and [F21V 21/08](#)-[F21V 21/0965](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 15/14 . . . . {Clips; Clamps; Head fittings (for medical purposes [A61B 1/06](#))}
- (Frozen)

**WARNING**

Group [F21L 15/14](#) 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](#), and [F21V 21/08-F21V 21/0965](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**Non-electric lighting** (candle holders [F21V 35/00](#); burners, combustion apparatus [F23](#))

**17/00 Non-electric torches; Non-electric flares**

**19/00 Lanterns, e.g. hurricane lamps or candle lamps**

- 19/003 . {Fastening or lifting of the lamp glass (fastening of component parts of lighting devices [F21V 17/00](#))}
- 19/006 . {Special adaptation for protection against draughts (in lighting devices employing combustion other than lanterns [F21V 37/02](#))}

**21/00 Non-electric pocket lamps, e.g. lamps producing sparks**

**23/00 Non-electric hand-lamps for miners**

**25/00 {Details of kinds solely applicable to the devices covered by groups [F21L 17/00](#) - [F21L 23/00](#)}**

(Frozen)

**WARNING**

Group [F21L 25/00](#) 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 35/00](#) - [F21V 35/006](#), and [F21V 37/00](#) - [F21V 37/02](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**26/00 Non-electric portable lighting devices, or systems thereof, not provided for in groups [F21L 17/00](#) - [F21L 23/00](#)**

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**27/00 Lighting devices or systems, employing combinations of electric and non-electric light sources; Replacing or exchanging electric light sources with non-electric light sources or vice versa in lighting devices or systems**