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

Definition statement
This subclass/group covers:
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, examples: flashlight, pocket lamps...

References relevant to classification in this subclass
This subclass/group does not cover:

| Arrangement or adaptation of portable emergency signal devices on vehicles to be placed on roadways or vehicles | B60Q 7/00 |
| Devices or systems intended for fixed installation, e.g. vehicle lighting, or for use essentially at a permanent location | F21S |
| Non-electric lighting devices intended to be free-standing, e.g. table lamp, floor lamp | F21S 13/12 |
| Lighting devices intended to be free standing, e.g. table lamp or floor lamp | F21S 6/00 |
| Candle holders | F21V 35/00 |
| Burners, combustion apparatus | F23 |

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

| Structural combinations of lighting devices with other articles, not otherwise provided for | F21V 33/00 |
Details of portable lighting devices

| F21V, F21L 15/00-F21L 15/14 |

Special rules of classification within this subclass

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. In this subclass, it is desirable to add the Indexing Codes of subclasses F21W and F21Y.

F21L 7/00, F21L 11/00 are not used for classification, the relevant remaining F21L is to be used instead.

F21L 15/00-F21L 15/14 are not used for classification, the subclass F21V is to be used instead.

F21L 2/00

Systems of lighting devices (systems employing both electric and non-electric light sources or exchangeable light sources F21L27/00)

Definition statement

This subclass/group covers:
Set of plurality of identical portable lighting devices.

Ex.: US2006262525

References relevant to classification in this group

FIG. 17
This subclass/group does not cover:

| Systems employing lighting devices with a built-in power supply, the lighting devices not being "portable" | F21S 9/00 |

Informative references

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

| Systems employing both electric and non-electric light sources or exchangeable light sources | F21L 27/00 |

F21L 4/00

Electric lighting devices with self-contained electric batteries or cells

Definition statement

This subclass/group covers:

Electrical portable lighting devices being self-powered

References relevant to classification in this group

This subclass/group does not cover:

| Lighting devices with a built-in power supply not being "portable" | F21S 9/00 |

F21L 4/005

[N: the device being a pocket lamp (F21L4/022, F21L4/045, F21L4/085 take precedence)]

Definition statement

This subclass/group covers:

Ex.: US1315457

Flat type self-contained or battery-operated portable electric light
References relevant to classification in this group

This subclass/group does not cover:

<table>
<thead>
<tr>
<th>Description</th>
<th>Classification Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pocket lamps characterised by the provision of two or more light sources</td>
<td>F21L 4/022</td>
</tr>
<tr>
<td>Pocket lamps characterised by the provision of a light source housing portion adjustably fixed to the remainder of the device</td>
<td>F21L 4/045</td>
</tr>
<tr>
<td>Pocket lamps characterised by means for in situ recharging of the batteries or cells</td>
<td>F21L 4/085</td>
</tr>
</tbody>
</table>
Synonyms and Keywords
In patent documents the following words "flashlight", "pocket lamp" and "torch" are often used as synonyms.

F21L 4/025
[N: the light sources being of different shape or type]

Special rules of classification within this group
In this subclass, it is desirable to add the Indexing Codes of subclasses F21Y 2113/02

F21L 4/027
[N: the light sources being a LED]

Definition statement
This subclass/group covers:
Pocket lamp, the light emitter of which being one or more LED

Ex.: US2005007777

Ex.: US2007133199
Special rules of classification within this group

In this subclass, it is desirable to add the Indexing Codes F21Y 2101/02

F21L 4/04

characterised by the provision of a light source housing portion adjustably fixed to the remainder of the device

Definition statement

This subclass/group covers:
Portable lighting device having a head portion mechanically attached to the body part and adjustably attached to it.

Ex.: US2008225518

References relevant to classification in this group

This subclass/group does not cover:

| Head portion attached to body part by means of flexible connecting sheath comprising electrical wires | F21L 4/06 |
Informative references

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

| Head portion of a lighting device being adjustable | F21V 21/30 |

F21L 4/06

with the light source coupled to the remainder of the device solely by cable

Definition statement

This subclass/group covers:

For example, head portion attached to body part by means of flexible connecting sheath comprising electrical wires

Ex.: EP2078894

References relevant to classification in this group

This subclass/group does not cover:

| Portable lighting device with a light source housing portion adjustably fixed to the remainder of the device | F21L 4/04 |

F21L 4/08
characterised by means for in situ recharging of the batteries or cells

Definition statement

This subclass/group covers:
Portable lighting device provided with connectors to connect the device to external power supply in order to recharge the batteries, e.g. with built-in accumulators

Portable lighting device provided with accumulators (not shaped like conventional batteries) that can be dismounted in order to be recharged on an external recharging base

Portable lighting devices with solar cells integrated to the body of the lamp

References relevant to classification in this group

This subclass/group does not cover:

| Circuit arrangements for charging or depolarising batteries or for supplying loads from batteries | H02J 7/00 |

F21L 7/00

[N: IPC6] Torches or pocket-lamps with built-in batteries (F21L4/00 takes precedence)

Definition statement

This subclass/group covers:
Card-shaped pocket lamps

Disposable portable lighting devices

Pocket lamps for 3LR12 batteries.

Special rules of classification within this group

F21L 7/00 is not used for classification, the relevant remaining F21L is to be used instead

F21L 11/00

Portable lighting devices with built-in batteries or accumulators, e.g. miners' hand-lamps
Definition statement

This subclass/group covers:
Illuminated wand
Safety illuminated belt
Lantern.

Special rules of classification within this group

F21L 11/00 is not used for classification, the relevant remaining F21L is to be used instead

F21L 13/00

Electric lighting devices with built-in electric generators (with solar cells F21L4/00)

References relevant to classification in this group

This subclass/group does not cover:

| Electric lighting devices with solar cells | F21L 4/00 |

F21L 13/06

with mechanical drive, e.g. spring

Definition statement

This subclass/group covers:
Ex.: GB2408317

Flashlight having manual charging device
F21L 13/08
by reciprocating pusher actuated by hand

Definition statement

This subclass/group covers:
Ex.: EP1450478

Electric power device for portable device with a piezo-converter

Ex.: WO0247056

Portable signal light with a self-generator
F21L 14/00
Electric lighting devices without a self-contained power source, e.g. for mains connection

F21L 14/02
capable of hand-held use, e.g. inspection lamps

Definition statement

This subclass/group covers:
Ex.: US20100611111
F21L 14/023
[N: having two or more, or different light sources]

Special rules of classification within this group
In this subclass, it is desirable to add the appropriate Indexing Codes of subclasses F21Y 2113/00

F21L 14/026
having a linear light source

Special rules of classification within this group
In this subclass, it is desirable to add the appropriate Indexing Codes of subclasses F21Y 2103/00

F21L 14/04
 carried on wheeled supports

Definition statement
This subclass/group covers:
Ex.: US2009225536
Ex.: WO2006047836

Ex.: US5418701
Informative references

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

| Projector or searchlight on land vehicles | B60P 3/18 |

F21L 15/00

[N: IPC6] Details of kinds solely applicable to the devices covered by groups F21L2/00 to F21L14/00

F21L 15/02

Concerned with light emission or distribution

Informative references

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

<p>| Refractors for light sources applied to portable lighting devices | F21V 5/006 |
| Reflectors for light sources for portable lighting devices | F21V 7/0075 |
| Combination of reflectors and refractors for portable lighting devices | F21V 13/045 |
| Changing the characteristics or the distribution of the light emitted by adjustment of light sources in portable | F21V 14/025 |</p>
<table>
<thead>
<tr>
<th>lighting devices</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Changing the characteristics or the distribution of the light emitted by</td>
<td>F21V 14/045</td>
</tr>
<tr>
<td>adjustment of light sources in portable lighting devices</td>
<td></td>
</tr>
<tr>
<td>Changing the characteristics or the distribution of the light emitted by</td>
<td>F21V 14/065</td>
</tr>
<tr>
<td>adjustment of reflectors in portable lighting devices</td>
<td></td>
</tr>
<tr>
<td>Changing the characteristics or the distribution of the light emitted by</td>
<td>F21V 14/085</td>
</tr>
<tr>
<td>adjustment of refractors in portable lighting devices</td>
<td></td>
</tr>
</tbody>
</table>

**Special rules of classification within this group**

F21L 15/02 is not used for classification, the subclass F21V is used instead

**F21L 15/04**

[N: IPC6] Arrangements of coloured filters or screens

**Informative references**

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

| Light filters; selection of luminescent materials for light screens for         | F21V 9/083                                                      |
| producing coloured light for portable lighting devices                         |                                                                 |
| Changing the characteristics or the distribution of the light emitted by      | F21V 14/085                                                      |
| adjustment of screens in portable lighting devices                            |                                                                 |

**Special rules of classification within this group**

F21L 15/04 is not used for classification, the subclass F21V is used instead
F21L 15/06

[N: IPC6] concerned with the fitting

Informative references

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

<table>
<thead>
<tr>
<th>Arrangements of switches in or on portable lighting devices</th>
<th>F21V 23/0414</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery containers for portable lighting devices</td>
<td>F21V 15/01</td>
</tr>
</tbody>
</table>

Special rules of classification within this group

F21L 15/06 is not used for classification, the subclass F21V is used instead

F21L 15/08

[N: IPC6] Supporting and suspending elements

Informative references

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

| Supporting, suspending, or attaching arrangements lighting devices; hand grips | F21V 21/00 |

Special rules of classification within this group

F21L 15/08 is not used for classification, the subclass F21V is used instead

F21L 15/10

[N: IPC6] without arrangements for adjustment

Special rules of classification within this group

F21L 15/10 is not used for classification, the subclass F21V is used instead

F21L 15/14

[N: IPC6] Clips; Clamps; Head fittings (for medical purposes
References relevant to classification in this group

This subclass/group does not cover:

<table>
<thead>
<tr>
<th>Head fittings for medical purposes</th>
<th>A61B 1/06</th>
</tr>
</thead>
</table>

Informative references

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

| Supporting, suspending, or attaching arrangements for portable lighting devices: Clips, clamps | F21V 21/0885 |
| Supporting, suspending, or attaching arrangements for portable lighting devices: Head fittings | F21V 21/084 |

Special rules of classification within this group

F21L 15/14 is not used for classification, the subclass F21V is used instead

F21L 19/00

Lanterns, e.g. hurricane lamps or candle lamps (candle holders F21V35/00)

References relevant to classification in this group

This subclass/group does not cover:

<table>
<thead>
<tr>
<th>Candle holders</th>
<th>F21V 35/00</th>
</tr>
</thead>
</table>

F21L 19/003

Fastening or lifting of the lamp glass (fastening of component parts of lighting devices F21V17/00)

References relevant to classification in this group

This subclass/group does not cover:

<table>
<thead>
<tr>
<th>Fastening of component parts of the</th>
<th>F21V 17/00</th>
</tr>
</thead>
</table>
F21L 19/006
Special adaptation for protection against draughts (in lighting devices employing combustion other than lanterns F21V37/02)

References relevant to classification in this group
This subclass/group does not cover:

| In lighting devices employing combustion other than lanterns | F21V 37/02 |