

SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING

F21 LIGHTING

F21S NON-PORTABLE LIGHTING DEVICES OR SYSTEMS THEREOF (burners F23D; electric aspects or elements, see section H, e.g. electric light sources H01J, H01K, H05B) [1, 7]

Note(s) [7, 2009.01]

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.
2. This subclass does not cover devices or systems specially adapted for transportation, which are covered by subclass F21L.
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.
4. In this subclass, it is desirable to add the indexing codes of subclasses F21W and F21Y.

Subclass index

ELECTRIC DEVICES

Systems.....	2/00
String or strip of light sources.....	4/00
Free-standing.....	6/00
Fixed installation.....	8/00
Built-in power supply.....	9/00
Producing varying lighting effects.....	10/00

NON-ELECTRIC DEVICES

Using daylight.....	11/00
Light source: Point-like or of unspecified shape.....	13/00
Other devices.....	15/00

COMBINATIONS OF ELECTRIC AND NON-ELECTRIC DEVICES.....19/00

2/00	Systems of lighting devices, not provided for in main groups F21S 4/00-F21S 10/00 or F21S 19/00, e.g. of modular construction [7, 2006.01, 2016.01]	8/02	• of recess-mounted type, e.g. downlighters (F21S 8/10 takes precedence) [7, 2006.01]
4/00	Lighting devices or systems using a string or strip of light sources [7, 2006.01, 2016.01]	8/04	• intended only for mounting on a ceiling or like overhead structure (F21S 8/02 takes precedence) [7, 2006.01]
4/10	• with light sources attached to loose electric cables, e.g. Christmas tree lights [2016.01]	8/06	• • by suspension [7, 2006.01]
4/15	• • the cables forming a grid, net or web structure [2016.01]	8/08	• with a standard [7, 2006.01]
4/20	• with light sources held by or within elongate supports [2016.01]	8/10	• specially adapted for vehicles [7, 2006.01]
4/22	• • flexible or deformable, e.g. into a curved shape [2016.01]	8/12	• • providing a single shaped beam, e.g. asymmetric beam, e.g. for penetrating fog or for preventing glare [7, 2006.01]
4/24	• • • of ribbon or tape form, e.g. LED tapes [2016.01]	9/00	Lighting devices with a built-in power supply; Systems employing lighting devices with a built-in power supply [1, 2006.01]
4/26	• • • of rope form, e.g. LED lighting ropes, or of tubular form [2016.01]	9/02	• the power supply being a battery or accumulator [1, 2006.01]
4/28	• • rigid, e.g. LED bars [2016.01]	9/03	• • rechargeable by exposure to light [7, 2006.01]
6/00	Lighting devices intended to be free-standing (F21S 9/00, F21S 10/00 take precedence) [7, 2006.01]	9/04	• the power supply being a generator [1, 2006.01]
8/00	Lighting devices intended for fixed installation (F21S 9/00, F21S 10/00 take precedence; using a string or strip of light sources F21S 4/00) [7, 2006.01]	10/00	Lighting devices or systems producing a varying lighting effect [7, 2006.01]
		10/02	• changing colours (F21S 10/04 takes precedence) [7, 2006.01]
		10/04	• simulating flames [7, 2006.01]

F21S

- 10/06 • flashing, e.g. with rotating reflector or light source [7, 2006.01]
- 11/00 Non-electric lighting devices or systems using daylight [1, 2006.01]**
- 13/00 Non-electric lighting devices or systems employing a point-like light source (candle holders F21V 35/00); Non-electric lighting devices or systems employing a light source of unspecified shape [1, 2006.01]**
- 13/02 • Devices intended to be fixed, e.g. ceiling lamp, wall lamp [1, 2006.01]
- 13/04 • • with a pendant [1, 2006.01]
- 13/06 • • • multi-branched, e.g. chandelier [1, 2006.01]
- 13/08 • • with suspension from a stretched wire [1, 2006.01]
- 13/10 • • with a standard, e.g. street lamp [1, 2006.01]
- 13/12 • Devices intended to be free-standing, e.g. table lamp, floor lamp [1, 2006.01]
- 13/14 • Lighting systems [1, 2006.01]
- 15/00 Non-electric lighting devices or systems employing light sources not covered by main groups F21S 11/00, F21S 13/00 or F21S 19/00 [1, 2006.01]**
- 19/00 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 [1, 2006.01]**