

**CPC****COOPERATIVE PATENT CLASSIFICATION****F21Y****INDEXING SCHEME RELATING TO THE FORM OF THE LIGHT SOURCES****NOTE**

This subclass constitutes an internal scheme for indexing only, associated with subclasses [F21L](#) , [F21M](#) , [F21P](#) , [F21Q](#) , [F21S](#) and [F21V](#) , relating to the form of the light sources.

**Guidance heading:****F21Y 2101/00****Point-like light sources**[F21Y 2101/02](#)

- . Miniature, e.g. light emitting diodes [LEDs]

[F21Y 2101/025](#)

- . . Laser diodes

**Guidance heading:****F21Y 2103/00****Elongated light sources, e.g. fluorescent tubes**[F21Y 2103/003](#)

- . Linear array of LEDs

[F21Y 2103/006](#)

- . using electroluminescent light sources, e.g. electroluminescent wires

[F21Y 2103/02](#)

- . curved, e.g. ring-shaped

[F21Y 2103/022](#)

- . . ring-shaped

[F21Y 2103/025](#)

- . . U-shaped

**F21Y 2105/00****Planar light sources**[F21Y 2105/001](#)

- . 2D-array of LEDs

[F21Y 2105/003](#)

- . . { characterised by the geometrical disposition of the LEDs, e.g. spacing thereof to create different densities, arrangement of LEDs of different colours in a specific pattern }

[F21Y 2105/005](#)

- . . { the substrate or the support being planar but the LEDs not being in the same plane or not having the same orientation, e.g. plate shaped support with steps on which LEDs are mounted }

[F21Y 2105/006](#)

- . using electroluminescent light sources, e.g. electroluminescent films

[F21Y 2105/008](#)

- . using organic light emitting diodes [OLED]

**F21Y 2111/00****Light sources of form not covered by preceding groups**

- F21Y 2111/001 . { Non-planar or three-dimensional arrangements of LEDs }
- F21Y 2111/002 . . { the LEDs being disposed on a concave support or substrate, e.g. on the inner side of a bowl shaped support }
- F21Y 2111/004 . . { the LEDs being disposed on a convex support or substrate, e.g. on the outer surface of a portion of a sphere }
- F21Y 2111/005 . . { the LEDs being disposed on the outer surface of a cylinder, e.g. rod shaped support having a circular or a polygonal cross section }
- F21Y 2111/007 . . { the LEDs being on the sides of a polyhedron, e.g. a cube or a pyramid }
- F21Y 2111/008 . . { Assemblies consisting of stacked substrates supporting the LEDs }

#### **F21Y 2113/00      Combination of light sources**

- F21Y 2113/002 . of different colors
- F21Y 2113/005 . . the light sources being LEDs or chips of different colors
- F21Y 2113/007 . . . encapsulated in a single LED light source
- F21Y 2113/02 . of different form