

# CPC COOPERATIVE PATENT CLASSIFICATION

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

### LIGHTING; HEATING

#### F21 LIGHTING (NOTE omitted)

#### F21Y INDEXING SCHEME ASSOCIATED WITH SUBCLASSES [F21K](#), [F21L](#), [F21S](#) and [F21V](#), RELATING TO THE FORM OR THE KIND OF THE LIGHT SOURCES OR OF THE COLOUR OF THE LIGHT EMITTED

##### NOTE

This subclass constitutes an indexing scheme associated with subclasses [F21K](#), [F21L](#), [F21S](#) and [F21V](#), relating to the form or the kind of the light sources, or of the colour of the light emitted.

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| <p><b>2101/00</b> Point-like light sources</p> <p><b>2103/00</b> Elongate light sources, e.g. fluorescent tubes</p> <p>2103/10 . comprising a linear array of point-like light-generating elements</p> <p>2103/20 . of polygonal shape, e.g. square or rectangular</p> <p>2103/30 . curved</p> <p>2103/33 . . annular</p> <p>2103/37 . . U-shaped</p> <p><b>2105/00</b> Planar light sources</p> <p>2105/10 . comprising a two-dimensional array of point-like light-generating elements</p> <p>2105/12 . . characterised by the geometrical disposition of the light-generating elements, e.g. arranging light-generating elements in differing patterns or densities</p> <p>2105/14 . . characterised by the overall shape of the two-dimensional array</p> <p>2105/16 . . . square or rectangular, e.g. for light panels</p> <p>2105/18 . . . annular; polygonal other than square or rectangular, e.g. for spotlights or for generating an axially symmetrical light beam</p> <p><b>2107/00</b> Light sources with three-dimensionally disposed light-generating elements</p> <p>2107/10 . on concave supports or substrates, e.g. on the inner side of bowl-shaped supports</p> <p>2107/20 . on convex supports or substrates, e.g. on the outer surface of spheres</p> <p>2107/30 . on the outer surface of cylindrical surfaces, e.g. rod-shaped supports having a circular or a polygonal cross section</p> <p>2107/40 . on the sides of polyhedrons, e.g. cubes or pyramids</p> <p>2107/50 . on planar substrates or supports, but arranged in different planes or with differing orientation, e.g. on plate-shaped supports with steps on which light-generating elements are mounted</p> <p>2107/60 . on stacked substrates</p> <p>2107/70 . on flexible or deformable supports or substrates, e.g. for changing the light source into a desired form</p> <p>2107/80 . on articulated supports or substrates</p> <p>2107/90 . on two opposite sides of supports or substrates</p> | <p><b>2109/00</b> Light sources with light-generating elements disposed on transparent or translucent supports or substrates</p> <p><b>2111/00</b> Light sources of a form not covered by groups <a href="#">F21Y 2101/00-F21Y 2107/00</a></p> <p><b>2113/00</b> Combination of light sources</p> <p><b>WARNING</b></p> <p>Group <a href="#">F21Y 2113/00</a> is impacted by reclassification into group <a href="#">F21Y 2113/30</a>.</p> <p>Groups <a href="#">F21Y 2113/00</a> and <a href="#">F21Y 2113/30</a> should be considered in order to perform a complete search.</p> <p>2113/10 . of different colours</p> <p><b>WARNING</b></p> <p>Group <a href="#">F21Y 2113/10</a> is impacted by reclassification into group <a href="#">F21Y 2113/30</a>.</p> <p>Groups <a href="#">F21Y 2113/10</a> and <a href="#">F21Y 2113/30</a> should be considered in order to perform a complete search.</p> <p>2113/13 . . comprising an assembly of point-like light sources</p> <p><b>WARNING</b></p> <p>Group <a href="#">F21Y 2113/13</a> is impacted by reclassification into group <a href="#">F21Y 2113/30</a>.</p> <p>Groups <a href="#">F21Y 2113/13</a> and <a href="#">F21Y 2113/30</a> should be considered in order to perform a complete search.</p> <p>2113/17 . . . forming a single encapsulated light source</p> <p><b>WARNING</b></p> <p>Group <a href="#">F21Y 2113/17</a> is impacted by reclassification into group <a href="#">F21Y 2113/30</a>.</p> <p>Groups <a href="#">F21Y 2113/17</a> and <a href="#">F21Y 2113/30</a> should be considered in order to perform a complete search.</p> |
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## F21Y

- 2113/20 . of different form

### **WARNING**

Group [F21Y 2113/20](#) is impacted by reclassification into group [F21Y 2113/30](#).

Groups [F21Y 2113/20](#) and [F21Y 2113/30](#) should be considered in order to perform a complete search.

- 2113/30 . {of visible and non-visible spectrum}

### **WARNING**

Group [F21Y 2113/30](#) is incomplete pending reclassification of documents from groups [F21Y 2113/00](#), [F21Y 2113/10](#), [F21Y 2113/13](#), [F21Y 2113/17](#) and [F21Y 2113/20](#).

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

## **2115/00 Light-generating elements of semiconductor light sources**

- 2115/10 . Light-emitting diodes [LED]
- 2115/15 . . Organic light-emitting diodes [OLED]
- 2115/20 . Electroluminescent [EL] light sources
- 2115/30 . Semiconductor lasers