

Title (en)

LED arrangement for producing white light

Title (de)

LED-Anordnung zur Erzeugung von weißem Licht

Title (fr)

Agencement de LED pour la production d'une lumière blanche

Publication

EP 2083211 A1 20090729 (EN)

Application

EP 08250267 A 20080122

Priority

EP 08250267 A 20080122

Abstract (en)

In an LED arrangement (1), two or more LEDs (20) are particularly positioned for the color lights emitted therefrom to be fully mixed to produce a pure monochromatic light. The LEDs (20) may include at least two identical LEDs, and each of the LEDs (20) includes at least two light emitting chips (21,22,23) that separately emit a different color light. The LEDs (20) are positioned in a particular manner, so that the light emitting chips (21,22,23) located in different LEDs (20) at the same corresponding positions emit different lights. In this manner, the color lights emitted from the LEDs (20) are fully overlapped and mixed to produce a pure monochromatic light having increased illumination intensity and area.

IPC 8 full level

F21K 99/00 (2010.01)

CPC (source: EP US)

F21K 9/00 (2013.01 - EP US); **F21Y 2113/17** (2016.08 - EP US); **F21Y 2115/10** (2016.08 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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