

Title (en)  
Colour LED spotlight

Title (de)  
Farb-LED-Strahler

Title (fr)  
Emetteur LED à couleur

Publication  
**EP 2154423 B1 20161109 (DE)**

Application  
**EP 09004402 A 20090326**

Priority  
DE 102008038778 A 20080812

Abstract (en)  
[origin: EP2154423A1] The spotlight has multi-colored LEDs e.g. red LED (11), green LED (12), blue LED (13) and white LED (14), arranged in a LED-tuple (1) on a carrying unit. The tuple is attached to a separate reflector and rotated around an optical axis of the reflector against an adjacent LED-tuple, where the tuple is rotated around an angle of 360 degrees. The reflectors are designed in such a manner that an optical path of the LED-tuple superimposes on an object to be illuminated.

IPC 8 full level  
**F21K 99/00** (2016.01)

CPC (source: EP US)  
**F21K 9/64** (2016.07 - EP US); **F21S 10/02** (2013.01 - EP US); **F21Y 2105/10** (2016.07 - EP US); **F21Y 2105/12** (2016.07 - EP US); **F21Y 2113/17** (2016.07 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Cited by  
CN103842714A; EP2918900A1; WO2013052762A1; WO2019175389A1

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 MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 2154423 A1 20100217; EP 2154423 B1 20161109**; CN 101676601 A 20100324; CN 101676601 B 20120321; DE 102008038778 A1 20100225; HK 1142654 A1 20101210; JP 2010045365 A 20100225; US 2010039805 A1 20100218; US 8282244 B2 20121009

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**EP 09004402 A 20090326**; CN 200910173361 A 20090811; DE 102008038778 A 20080812; HK 10109144 A 20100924; JP 2009187122 A 20090812; US 54004209 A 20091005