

Title (en)
Illumination apparatus having adjustable luminous distribution

Title (de)
Beleuchtungsanordnung mit einstellbarer Leuchtverteilung

Title (fr)
Appareil d'éclairage doté d'une distribution réglable de la lumière

Publication
EP 2295848 A3 20130213 (EN)

Application
EP 10171563 A 20100802

Priority
CN 200910306910 A 20090911

Abstract (en)
[origin: EP2295848A2] A LED illumination apparatus (100) comprises at least one LED module (11) and a driving module (12). The LED module (11) includes a substrate (111) and a plurality of LED lighting sources (112) arranged on the substrate. The LED lighting sources (112) are electrically connected to the substrate (111). The driving module (12) includes a driver (121) and a shaft (122) connected to the driver. The shaft (122) is positioned in one side surface of the substrate (111). The substrate (111) can be rotated by the driver (121), adjusting the illumination angle of the LED module (11) and change the luminous distribution of the LED illumination apparatus (100).

IPC 8 full level
F21S 8/00 (2006.01); **F21K 99/00** (2010.01); **F21V 14/02** (2006.01); **F21V 21/30** (2006.01)

CPC (source: EP US)
F21S 8/086 (2013.01 - EP); **F21V 14/02** (2013.01 - EP US); **F21V 21/30** (2013.01 - EP); **F21S 2/005** (2013.01 - EP); **F21W 2131/103** (2013.01 - EP); **F21Y 2105/10** (2016.07 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)

- [X] US 2007064425 A1 20070322 - FRECSKA SANDOR A [US], et al
- [XA] WO 2009050598 A1 20090423 - COEMAR SPA [IT], et al
- [X] CN 101315165 A 20081203 - YUANRUI SCIENCE AND TECHNOLOGY [CN]

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EP2518398A3; ITUB20155907A1; EP3505820A4; CN111594805A; US10697619B2; WO2012159744A3; WO2013136217A1

Designated contracting state (EPC)
AL 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 SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2295848 A2 20110316; EP 2295848 A3 20130213; CN 102022638 A 20110420; JP 2011060763 A 20110324; KR 20110028214 A 20110317

DOCDB simple family (application)
EP 10171563 A 20100802; CN 200910306910 A 20090911; JP 2010199775 A 20100907; KR 20100072449 A 20100727