

Title (en)
Straight-Tube LED Lamp, and Lighting Device

Title (de)
LED-Lampe mit gerader Leuchtröhre und Beleuchtungsvorrichtung

Title (fr)
Lampe à DEL à tube linéaire et dispositif d'éclairage

Publication
EP 2778504 A1 20140917 (EN)

Application
EP 14158916 A 20140311

Priority
JP 2013047942 A 20130311

Abstract (en)
A straight-tube LED lamp (100) includes an elongated-shaped casing (2) which has two edges along a longitudinal direction; a translucent cover member (3) which is attached to the casing so as to cover the edges of the casing throughout in the longitudinal direction; and a plurality of semiconductor light-emitting devices (12a, 12b) which are arranged in the cover member along the longitudinal direction as a light source, wherein on an inner surface side of the cover member, the cover member has one or more lens surfaces (50, 52) which reduce an apparent area of the light source.

IPC 8 full level
F21K 99/00 (2010.01); **F21V 5/04** (2006.01); **F21Y 101/02** (2006.01); **F21Y 103/00** (2006.01)

CPC (source: EP US)
F21K 9/27 (2016.07 - EP US); **F21K 9/60** (2016.07 - EP US); **F21K 9/69** (2016.07 - EP US); **F21V 5/04** (2013.01 - EP US); **F21Y 2103/10** (2016.07 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Citation (applicant)
• JP 2012114081 A 20120614 - SAMSUNG LED CO LTD
• JP H11134905 A 19990521 - TOSHIBA LIGHTING & TECHNOLOGY

Citation (search report)
• [X] US 2011149548 A1 20110623 - YANG HAITAO [US], et al
• [XI] US 2011090687 A1 20110421 - LIN HUNG JIE [TW], et al
• [XI] US 2008211429 A1 20080904 - SAITO KAZUHISA [JP]
• [XI] US 2012106144 A1 20120503 - CHANG SHAO-HAN [TW]
• [XI] US 2011292647 A1 20111201 - CHANG SHAO-HAN [TW]
• [X] US 2012051039 A1 20120301 - CHANG SHAO-HAN [TW]

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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2778504 A1 20140917; JP 2014175207 A 20140922

DOCDB simple family (application)
EP 14158916 A 20140311; JP 2013047942 A 20130311