

Title (en)
Light apparatus

Title (de)
Leuchtvorrichtung

Title (fr)
Dispositif d'éclairage

Publication
EP 2711625 A1 20140326 (EN)

Application
EP 13185134 A 20130919

Priority
SE 1251074 A 20120924

Abstract (en)
A light apparatus (2) comprising one or a plurality of light-emitting unit(s) (4) and a transparent section (6) through which light (5) emitted by said unit(s) (4) is intended to pass, which light apparatus (2) further comprises a heating system (8) intended to conduct heat generated by the light-emitting unit(s) (4) by means of a heat-transferring medium (12) to the transparent portion (6) in order to heat same. The heating system (8) comprises a conducting arrangement (10) arranged in direct connection to said transparent portion (6) and containing said heat-transferring medium (12), wherein the heating system (8) is a closed system in which vaporization and condensation of the heat-transferring medium (12) occur, and wherein the heat that is generated in connection with condensation is utilized to heat said transparent portion (6) directly.

IPC 8 full level
F21S 8/10 (2006.01); **F21V 29/00** (2015.01); **F21Y 101/00** (2016.01); **F21Y 115/15** (2016.01)

CPC (source: EP SE US)
F21S 41/143 (2017.12 - EP US); **F21S 45/60** (2017.12 - EP); **F21V 29/506** (2015.01 - EP); **F21V 29/51** (2015.01 - EP US); **F21V 29/90** (2015.01 - SE); **F21V 31/03** (2013.01 - EP); **F21V 29/85** (2015.01 - EP); **F21V 29/89** (2015.01 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Citation (applicant)
US 2010296308 A1 20101125 - OHSAWA TAKASHI [JP]

Citation (search report)
• [XYI] US 2011305025 A1 20111215 - LOVELAND DAMIEN GERARD [CA]
• [YD] US 2010296308 A1 20101125 - OHSAWA TAKASHI [JP]
• [Y] DE 102007038911 A1 20090219 - OSRAM GMBH [DE]

Cited by
EP3851742A1; US11104451B2; WO2016045915A1; WO2015197146A1

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

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