

Title (en)
LUMINAIRE AND SURFACE COVERING ARRANGEMENT

Title (de)
LEUCHTE UND FLÄCHENABDECKUNGSANORDNUNG

Title (fr)
LUMINAIRE ET DISPOSITIF DE REVÊTEMENT DE SURFACE

Publication
EP 3244124 A1 20171115 (EN)

Application
EP 16169267 A 20160512

Priority
EP 16169267 A 20160512

Abstract (en)
Disclosed is a luminaire (1) comprising a sheet metal housing (100) shaped to include a trench (110) comprising a pair of opposing elongate side walls (111) extending from a trench floor; a pair of optical cavities (120) on opposite sides of the trench, each optical cavity being delimited by one of the elongate side walls (111) of the trench, a first inclining elongate surface portion (121) extending from an edge of the elongate side wall distal to the trench floor and a second inclining elongate surface portion (123) extending from the first inclining elongate surface portion, each optical cavity further comprising a diffuser (130) extending between the second inclining elongate surface portion and the elongate side wall; each optical cavity housing a plurality of solid state lighting elements (141) mounted on the first inclining elongate surface portion such that the solid state lighting elements face the diffuser; and at least one driver circuit (150) of said solid state lighting elements in said trench on the trench floor. A surface covering arrangement including such a luminaire is also disclosed.

IPC 8 full level
F21S 8/02 (2006.01); **F21V 7/00** (2006.01); **F21V 23/00** (2015.01); **F21V 23/02** (2006.01); **F21Y 103/00** (2016.01); **F21Y 113/00** (2016.01); **F21Y 115/10** (2016.01)

CPC (source: EP)
F21S 8/026 (2013.01); **F21V 23/007** (2013.01); **F21V 23/02** (2013.01); **F21V 7/005** (2013.01); **F21V 29/505** (2015.01); **F21V 29/508** (2015.01); **F21Y 2103/00** (2013.01); **F21Y 2113/00** (2013.01); **F21Y 2115/10** (2016.07)

Citation (applicant)
WO 2012030387 A2 20120308 - CREE INC [US], et al

Citation (search report)
• [XY] US 2011058358 A1 20110310 - SOO KIM DONG [KR], et al
• [XY] US 2014168955 A1 20140619 - GERSHAW DAVID [US]
• [YA] US 2013279159 A1 20131024 - PICKARD PAUL KENNETH [US], et al
• [A] US 6092913 A 20000725 - EDWARDS JR RICHARD D [US]
• [A] US 9322518 B1 20160426 - STEEDLY JAMES [US]
• [A] US 9016892 B1 20150428 - SCRIBANTE JOHN [US], et al

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 3244124 A1 20171115

DOCDB simple family (application)
EP 16169267 A 20160512