

Title (en)  
LIGHTING MODULE HAVING ANNULAR CIRCUIT BOARD

Title (de)  
LEUCHTMODUL MIT RINGFÖRMIGER LEITERPLATTE

Title (fr)  
MODULE D'ÉCLAIRAGE COMPRENANT UNE CARTE DE CIRCUITS IMPRIMÉS DE FORME ANNULAIRE

Publication  
**EP 3132187 B1 20211110 (DE)**

Application  
**EP 15712863 A 20150323**

Priority  
• DE 102014205891 A 20140328  
• EP 2015056140 W 20150323

Abstract (en)  
[origin: WO2015144645A1] The lighting module (1) comprises an annular circuit board (2) on which a plurality of semiconductor light sources (8a, 8b) and electronic components (9, 10) are arranged, the semiconductor light sources (8a, 8b) being arranged on an outer portion (11) of the circuit board (2) and the electronic components (9, 10) being arranged on an inner portion (12) of the circuit board (2). A luminaire (L2) comprises at least one lighting module (1).

IPC 8 full level  
**F21V 3/00** (2015.01); **F21V 17/12** (2006.01); **F21V 17/16** (2006.01); **F21V 23/00** (2015.01); **F21V 23/02** (2006.01); **F21Y 101/00** (2016.01); **F21Y 115/10** (2016.01)

CPC (source: EP US)  
**F21V 3/00** (2013.01 - EP); **F21V 17/12** (2013.01 - EP); **F21V 17/16** (2013.01 - EP); **F21V 23/005** (2013.01 - EP US); **F21V 23/02** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (examination)  
• JP 2013026168 A 20130204 - HITACHI APPLIANCES INC  
• JP 2012253026 A 20121220 - TOSHIBA LIGHTING & TECHNOLOGY

Cited by  
WO2023161426A1; DE102022104482A1

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

DOCDB simple family (publication)  
**DE 102014205891 A1 20151001**; EP 3132187 A1 20170222; EP 3132187 B1 20211110; WO 2015144645 A1 20151001

DOCDB simple family (application)  
**DE 102014205891 A 20140328**; EP 15712863 A 20150323; EP 2015056140 W 20150323