

Title (en)  
IMPROVED LUMINAIRE

Title (de)  
VERBESSERTE RAUMLEUCHTE

Title (fr)  
DISPOSITIF D'ÉCLAIRAGE AMBIANT PERFECTIONNÉ

Publication  
**EP 3332170 A1 20180613 (DE)**

Application  
**EP 16767014 A 20160803**

Priority  
• DE 102015112848 A 20150805  
• IB 2016054671 W 20160803

Abstract (en)  
[origin: WO2017021898A1] The invention relates to a luminaire (1) which is designed to light a space under different angles and in a controlled manner, and which comprises - a plurality of different lighting elements (122); and - a first lighting body (100) with a plurality of light-guiding devices at each of which a lighting element (122) is arranged, each lighting element emitting light in a light-guiding direction. At least one light-guiding device (102, 104, 106, 108, 110, 112, 114) has a collimation region (124), in which the light beams of the lighting element (122) that is arranged on the light-guiding device are parallelized, and a plurality of prism regions, each of which deflects a part of the parallelized light beams (126, 128, 130). The invention also relates to a method comprising the following steps: - controlling, by way of a gesture on a touch-sensitive display screen of a portable electronic device, the size and/or color and/or brightness of at least one area to be lighted; - detecting the orientation of the portable electronic device and of the luminaire; and - transmitting to the luminaire the size and/or color and/or brightness of the area to be lighted depending on the orientation of the portable electronic device and/or of the luminaire.

IPC 8 full level  
**F21V 5/00** (2018.01); **F21V 23/04** (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)  
**F21S 8/061** (2013.01 - EP US); **F21V 5/007** (2013.01 - EP US); **F21V 23/003** (2013.01 - US); **F21V 23/045** (2013.01 - EP US); **F21V 23/0464** (2013.01 - EP US); **F21V 23/0492** (2013.01 - EP US); **H05B 45/20** (2020.01 - EP US); **F21V 7/0016** (2013.01 - EP US); **F21Y 2105/18** (2016.07 - EP US); **F21Y 2107/90** (2016.07 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)  
See references of WO 2017021898A1

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)  
**WO 2017021898 A1 20170209**; DE 102015112848 A1 20170209; EP 3332170 A1 20180613; US 10477639 B2 20191112; US 2018220508 A1 20180802

DOCDB simple family (application)  
**IB 2016054671 W 20160803**; DE 102015112848 A 20150805; EP 16767014 A 20160803; US 201615750304 A 20160803