

Title (en)

LAMP OPERATING DEVICE WITH TOOL-FREE SECURING MEANS

Title (de)

LAMPENBETRIEBSGERÄT MIT WERKZEUGLOSER BEFESTIGUNG

Title (fr)

APPAREIL DE COMMANDE DE LAMPE À FIXATION SANS OUTIL

Publication

EP 2702322 A1 20140305 (DE)

Application

EP 12716463 A 20120426

Priority

- DE 202011001000 U 20110428
- EP 2012057608 W 20120426

Abstract (en)

[origin: WO2012146638A1] Lamp operating device (1, 11, 21) for operating at least one light source arranged inside a luminaire housing (2, 12, 22), the lamp operating device (1, 11, 21) comprising means for the tool-free securing (3, 13, 23, 26) of the lamp operating device (1, 11, 21) to the luminaire housing (2, 12, 22).

IPC 8 full level

F21V 23/02 (2006.01)

CPC (source: EP)

F21V 17/104 (2013.01); **F21V 17/12** (2013.01); **F21V 17/164** (2013.01); **F21V 23/026** (2013.01)

Citation (search report)

See references of WO 2012146638A1

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 202011001000 U1 20120731; CN 103492799 A 20140101; CN 103492799 B 20170905; EP 2702322 A1 20140305; EP 2702322 B1 20150923; WO 2012146638 A1 20121101

DOCDB simple family (application)

DE 202011001000 U 20110428; CN 201280018849 A 20120426; EP 12716463 A 20120426; EP 2012057608 W 20120426