

Title (en)

PORTABLE LIGHTING DEVICE WITH A LIGHT EMITTING DIODE

Title (de)

TRAGBARE BELEUCHTUNGSVORRICHTUNG MIT LEUCHTDIODEN

Title (fr)

DISPOSITIF D'ECLAIRAGE PORTATIF A DIODE ELECTROLUMINESCENTE

Publication

EP 1588094 B1 20080312 (FR)

Application

EP 04705836 A 20040128

Priority

- FR 2004000199 W 20040128
- FR 0300980 A 20030129

Abstract (en)

[origin: FR2850448A1] The portable light source (10) has an electro-luminescent diode (11) emitting a beam of light, a support (12) and connection for the diode, and an optical screen (15) which can be moved in front of the diode to vary the angle of divergence of the beam. The optical device carries a one or more Fresnel lenses (16) mounted on a plate (17) which can be moved over the front of the diodes.

IPC 8 full level

F21V 14/06 (2006.01); **F21V 5/04** (2006.01)

CPC (source: EP US)

F21V 5/045 (2013.01 - EP US); **F21V 14/065** (2013.01 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Cited by

USD999332S; US11639789B2; US9285105B2; US9605836B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2850448 A1 20040730; FR 2850448 B1 20060120; AT E389146 T1 20080315; CN 100529521 C 20090819; CN 1705848 A 20051207; DE 602004012389 D1 20080424; DE 602004012389 T2 20090423; EP 1588094 A2 20051026; EP 1588094 B1 20080312; US 2006056175 A1 20060316; US 2007097674 A1 20070503; US 7192165 B2 20070320; US 7226190 B2 20070605; WO 2004070268 A2 20040819; WO 2004070268 A3 20040916

DOCDB simple family (application)

FR 0300980 A 20030129; AT 04705836 T 20040128; CN 200480001274 A 20040128; DE 602004012389 T 20040128; EP 04705836 A 20040128; FR 2004000199 W 20040128; US 53281205 A 20050426; US 63790206 A 20061213