

Title (en)

Device with several lamps switched in series

Title (de)

Vorrichtung mit mehreren elektrisch in Serie geschalteten Leuchtmitteln

Title (fr)

Dispositif doté de plusieurs voyants électriques reliés en série

Publication

EP 2364059 A3 20111116 (DE)

Application

EP 10015239 A 20081208

Priority

EP 08021297 A 20081208

Abstract (en)

[origin: EP2194760A1] The device has multiple light units electrically connected in series and a bypass flow path (12) by which one of the light units is electrically bypassed. A power source (16) is provided for supplying power to the light units. A current limiting unit is provided for limiting current flowing through the non-bypassed light units in the event of bypassing the light units.

IPC 8 full level

H05B 33/08 (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)

H05B 45/38 (2020.01 - EP US); **H05B 45/48** (2020.01 - EP); **H05B 45/54** (2020.01 - US)

Citation (search report)

- [Y] US 2007145914 A1 20070628 - HONG HEE JUNG [KR], et al
- [Y] US 2008111505 A1 20080515 - WANG DAVID SHAU CHEW [TW], et al
- [A] WO 2007069124 A1 20070621 - PHILIPS INTELLECTUAL PROPERTY [DE], et al
- [A] DE 10329367 A1 20041014 - OSRAM OPTO SEMICONDUCTORS GMBH [DE]
- [A] US 2008211428 A1 20080904 - BAYAT BIJAN [US], et al
- [A] EP 0891120 A2 19990113 - REITTER & SCHEFENACKER GMBH [DE]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2194760 A1 20100609; EP 2364059 A2 20110907; EP 2364059 A3 20111116

DOCDB simple family (application)

EP 08021297 A 20081208; EP 10015239 A 20081208