

Title (en)
LED illumination system

Title (de)
LED-Beleuchtungssystem

Title (fr)
Système d'éclairage à DEL

Publication
EP 2571332 A1 20130320 (EN)

Application
EP 11181179 A 20110914

Priority
EP 11181179 A 20110914

Abstract (en)
An LED illumination system includes a DC power supply (20), at least two LED illumination lamp sets (10) and at least two power circuits (30) corresponding to the LED illumination lamp sets (10). The DC power supply (20) provides sufficient electric power for the LED illumination lamp sets (10) and is connected to the LED illumination lamp sets (10) via the power circuits (30). The invention supplies electric power required by the LED illumination lamp sets (10) via a single DC power supply (20) without an extra DC power supply, hence the cost is lower. Moreover, the DC power supply (20) is located remote from the LED illumination lamp sets (10), hence high temperature generated by the DC power supply (20) does not affect lighting and lifespan of the LED illumination lamp sets (10). The hazard of electric shock by inadvertently touching the AC power source (40) while replacing lamps in the LED illumination lamp sets (10) can also be avoided to improve usability and safety.

IPC 8 full level
H05B 44/00 (2022.01); **F21K 99/00** (2010.01)

CPC (source: EP US)
F21S 2/00 (2013.01 - EP US); **F21V 23/008** (2013.01 - EP); **F21V 23/023** (2013.01 - EP); **H05B 45/382** (2020.01 - EP US); **H05B 45/46** (2020.01 - EP); **F21Y 2105/10** (2016.07 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)
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AT13865U1; CN106090642A

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)
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