

Title (en)
Light emitting module

Title (de)
Lichtemittierendes Modul

Title (fr)
Module électroluminescent

Publication
EP 2760253 A1 20140730 (EN)

Application
EP 13152796 A 20130125

Priority
EP 13152796 A 20130125

Abstract (en)
A light emitting diode module (1) includes a main base board (10), a wireless communication module (20), multiple light emitting diodes (30), a power output control system (40) and a control unit (50). The wireless communication module (20) is used for receiving a control signal. The light emitting diodes (30) are disposed on the main base board (10) and have light emitting diodes (31,32,33,34) having at least one color. The power output control system (40) is electrically connected to the light emitting diodes (30). The power output control system (40) adjusts an amount of current flowing through each light emitting diode (31,32,33,34) to control the plurality of light emitting diodes (30) to emit light by adjusting the amount of current for changing the color of the multiple light emitting diodes (30). The control unit (50) is electrically connected to the wireless communication module (20) and the power output control system (40) for controlling the power output control system (40) to adjust the amount of current of each light emitting diode (31,32,33,34).

IPC 8 full level
H05B 33/08 (2006.01); **H05B 37/02** (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)
H05B 45/20 (2020.01 - EP US); **H05B 47/19** (2020.01 - EP US); **H05B 47/195** (2020.01 - EP US)

Citation (search report)

- [X] US 2012049765 A1 20120301 - LU SUN [US], et al
- [X] US 2012086345 A1 20120412 - TRAN BAO Q [US]
- [X] US 2012235580 A1 20120920 - LEE KE-CHIN [CN]
- [X] EP 2536259 A2 20121219 - SAMSUNG LED CO LTD [KR]

Cited by
IT202000004288A1

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)
EP 2760253 A1 20140730

DOCDB simple family (application)
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