Title (en)
LED STRIP AND LED STRIP CONTROLLER

Title (de)
LED-STREIFEN UND LED-STREIFEN-STEUERUNG

Title (fr)
RUBAN DE DEL ET DISPOSITIF DE COMMANDE DE RUBAN DE DEL

Publication
EP 3045799 A1 20160720 (EN)

Application
EP 13893124 A 20130916

Priority
- CN 201320557113 U 20130909
- CN 2013083539 W 20130916

Abstract (en)
The present invention discloses an LED strip. The LED strip includes a plurality of LED lamps and two power lines. Parallel circuit units that are formed by the plurality of LED lamps and resistors are connected in parallel on the two power lines. LED lamps of a same parallel circuit unit group are in a same direction, but LED lamps of various parallel circuit unit groups are in a reverse direction, and LED lamps in the reverse direction of a same parallel circuit unit may be combined in an interleaving way as required. The LED strip controller includes a control signal generation unit and a drive unit. The control signal generation unit and the drive unit are supplied by a power supply circuit. The control signal generation unit provides drive signals to at least one group of drive units alternatively or simultaneously. The drive unit drives the LED strip. In the present invention, a combination of different light-emitting states of the LED lamps is implemented in a two-wire-two-path way.

IPC 8 full level
F21S 4/00 (2016.01); **H05B 37/02** (2006.01)

CPC (source: EP US)
H05B 45/39 (2020.01 - EP US); **H05B 45/42** (2020.01 - EP US)

Citation (search report)
See references of WO 2015032108A1

Cited by
CN113543407A

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)
DE 202013104775 U1 20131107; CN 203477988 U 20140312; EP 3045799 A1 20160720; WO 2015032108 A1 20150312

DOCDB simple family (application)
DE 202013104775 U 20131024; CN 2013083539 W 20130916; CN 201320557113 U 20130909; EP 13893124 A 20130916