

Title (en)

A LIGHTING DEVICE AND CORRESPONDING METHOD

Title (de)

BELEUCHTUNGSVORRICHTUNG UND ZUGEHÖRIGES VERFAHREN

Title (fr)

DISPOSITIF D'ÉCLAIRAGE ET PROCÉDÉ CORRESPONDANT

Publication

EP 3534678 A1 20190904 (EN)

Application

EP 19158574 A 20190221

Priority

IT 201800003237 A 20180302

Abstract (en)

A lighting device comprises an elongated support member (102) with a sequence of consecutive segments having a first end (10A) and a second end (10B), and light radiation sources (e.g. LEDs) distributed along the support member (102) in a sequence of electrical units (10) arranged at respective segments of the support member. The electric units (10) comprise a plurality of sets of electrically-powered light radiation sources (D11, D12, D13; D21, D22, D23; D11, D12, D13, D21; D22, D23), electrically arranged in series between a first (LED+) and a second (LED-) power supply node. At least one set (D21, D22, D23; D22, D23) of light radiation sources can be separated from the electrical unit (10) at a cutting line (LC1, LC2) intermediate between the first end (10A) and the second end (10B) of the respective segment of the support member. An electrically-conductive path (12, 13) parallel to the aforesaid separable set (D21, D22, D23; D22, D23) can be activated by separating this set (D21, D22, D23; D22, D23) from the electric unit (10) so as to maintain the electrical coupling between the first (LED+) and the second (LED-) power supply node.

IPC 8 full level

H05B 44/00 (2022.01); **F21S 4/24** (2016.01)

CPC (source: EP US)

F21S 4/24 (2016.01 - EP US); **H05B 45/40** (2020.01 - EP US); **F21Y 2115/10** (2016.07 - EP); **H05B 45/395** (2020.01 - EP US)

Citation (search report)

- [X] US 2015092413 A1 20150402 - LI MING [US], et al
- [I] US 7012379 B1 20060314 - CHAMBERS JOE A [US], et al
- [A] FR 3048056 A1 20170825 - LUMILA [FR]

Cited by

DE102019125404B3; EP3796757A1

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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