

Title (en)  
SUPPORT RAIL FOR HOLDING AND SUPPLYING POWER TO A PLURALITY OF LIGHTING MODULES, AND LIGHT STRIP SYSTEM WITH SUCH A SUPPORT RAIL

Title (de)  
TRAGSCHIENE ZUR HALTERUNG UND STROMVERSORGUNG MEHRERER LEUCHTMODULE, SOWIE LICHTBANDSYSTEM MIT EINER SOLCHEN TRAGSCHIENE

Title (fr)  
RAIL DE SUPPORT DESTINÉ À FIXER ET ALIMENTER EN ÉLECTRICITÉ PLUSIEURS MODULES D'ÉCLAIRAGE, AINSI QUE SYSTÈME DE BANDE LUMINEUSE POURVU D'UN TEL RAIL DE SUPPORT

Publication  
**EP 2850705 B1 20171101 (DE)**

Application  
**EP 13722744 A 20130513**

Priority  
• DE 202012101765 U 20120514  
• EP 2013059791 W 20130513

Abstract (en)  
[origin: WO2013171148A1] The invention relates to a support rail for holding and supplying power to a plurality of lighting modules. The support rail has first conductors (1) for forming a first power supply circuit and second conductors (2) for forming a second power supply circuit. The support rail additionally has a converter unit (3) for electrically coupling the second power supply circuit to the first power supply circuit. The second power supply circuit also has a first coupling element (4) for electrically connecting a first lighting module and a second coupling element (5) for electrically connecting a second lighting module. The result of this design of the second power supply circuit is that a single converter unit is sufficient for converting a voltage for supplying power to the two lighting modules. In this way a particularly cost-effective and compact construction of the support rail becomes possible. In addition, the two lighting modules can be designed in this manner without their own converter or without their own converter unit, and therefore the lighting modules as such can be designed to occupy a particularly small space and with a low weight. Thereby the installation of the lighting modules on the support rail is facilitated.

IPC 8 full level  
**F21S 4/20** (2016.01); **F21S 4/28** (2016.01); **F21V 21/02** (2006.01); **F21V 21/34** (2006.01); **F21V 21/35** (2006.01); **F21V 23/02** (2006.01); **F21V 23/06** (2006.01); **H01R 25/14** (2006.01); **H01R 25/16** (2006.01); **F21Y 103/10** (2016.01); **F21Y 115/10** (2016.01)

CPC (source: CN EP US)  
**F21S 4/20** (2016.01 - EP US); **F21S 4/28** (2016.01 - EP US); **F21V 21/025** (2013.01 - CN); **F21V 21/34** (2013.01 - CN EP US); **F21V 21/35** (2013.01 - CN US); **F21V 23/023** (2013.01 - CN); **F21V 23/06** (2013.01 - CN EP US); **H01R 25/145** (2013.01 - CN EP US); **H01R 25/162** (2013.01 - CN EP US); **F21V 21/025** (2013.01 - EP US); **F21V 23/023** (2013.01 - EP US); **F21Y 2101/00** (2013.01 - CN); **F21Y 2103/10** (2016.07 - CN EP US); **F21Y 2115/10** (2016.07 - CN EP US)

Citation (examination)  
WO 2006026575 A2 20060309 - MILLER HERMAN INC [US], et al

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

DOCDB simple family (publication)  
**DE 202012101765 U1 20130819**; CN 104272533 A 20150107; CN 104272533 B 20171215; EP 2850705 A1 20150325; EP 2850705 B1 20171101; US 2015109772 A1 20150423; US 9829184 B2 20171128; WO 2013171148 A1 20131121

DOCDB simple family (application)  
**DE 202012101765 U 20120514**; CN 201380023678 A 20130513; EP 13722744 A 20130513; EP 2013059791 W 20130513; US 201314396792 A 20130513