

Title (en)
Lighting conductor rail system

Title (de)
Lichtstromschienensystem

Title (fr)
Système à rails conducteurs d'éclairage

Publication
EP 0734108 A3 19980311 (DE)

Application
EP 96103145 A 19960301

Priority
DE 19510507 A 19950323

Abstract (en)
[origin: EP0734108A2] The electrical lighting system has a number of lighting units (1) that are supported on a flexible cable (3) that is of a flat ribbon form and is produced of an insulating material such as a silicon elastomer. The cross section can be rectangular or oval and embedded in this are live, neutral and earth flexible conductors (4, 6). The cable and the lighting units are supported on hanger brackets (2) fixed to a ceiling. Each lighting unit stem has two main parts that are hinged above the socket section. With the parts separated the unit can be located over the cable. Internally there are projecting contact pins that penetrate the insulation and engage the conductors when the parts are pressed together.

IPC 1-7
H02G 5/06; H02G 5/08; H01R 25/14

IPC 8 full level
F21V 21/002 (2006.01); **F21V 21/32** (2006.01); **F21V 21/34** (2006.01); **H01R 4/24** (2006.01); **H01R 25/14** (2006.01); **H02G 5/06** (2006.01); **H02G 5/08** (2006.01)

CPC (source: EP US)
F21V 21/002 (2013.01 - EP); **F21V 21/32** (2013.01 - EP); **F21V 21/34** (2013.01 - EP US); **H01R 4/2408** (2013.01 - EP US); **H01R 25/14** (2013.01 - EP)

Citation (search report)

- [X] EP 0404979 A1 19910102 - JORDAN MICHAEL [DE], et al
- [X] WO 9105378 A1 19910418 - INCO VENTURES LTD [GB]
- [X] US 4861273 A 19890829 - WENMAN JAMES A [US], et al
- [X] DE 3828418 A1 19900222 - MANN MICHAEL [DE], et al
- [A] DE 2838528 A1 19790308 - ALSTHOM ATLANTIQUE
- [A] DE 3331213 A1 19850307 - PBH ELECTRIC GMBH [DE]

Cited by
IT202000005665A1; DE10009235B4; NL2012429A; EP1577988A1; EP1067331A3; EP1450451A1; IT202100004706A1; IT201800003635A1; EP3506434A1; US10359182B2; US9982875B2; US10184645B2; US10174923B2; EP1300629A1; EP3882513A1; WO2009135704A1; WO2015136080A1; US7246935B2; US10281126B2; US9303854B2; US10151466B2; US10680383B2; WO2019175913A1; US10132452B2; US10151465B2; US10156349B2; US10203100B2; US10288271B2; US10527269B2

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