

Title (en)
Lighting device

Title (de)
Beleuchtungseinrichtung

Title (fr)
Dispositif d'éclairage

Publication
EP 1233232 A3 20050119 (DE)

Application
EP 01128283 A 20011129

Priority
DE 10106961 A 20010215

Abstract (en)
[origin: US2002110000A1] A lighting device having a three-way conductor strip with three conductors extending in an axial direction and electrically connected at intervals to LED elements arranged in a row. Each LED element is in a plastic housing which surrounds the LED and the conductor strip, is light emitting and may have a lens over the LED. The housing includes two shells fixed together, and with supporting elements therein for an LED element, an adjacent axial conductor strip area and a heat activatable electrically conductive material. The three-way conductor strip comprises a continuous positive conductor, a continuous negative conductor and an interrupted central conductor that extends from LED element to LED element.

IPC 1-7
F21S 4/00; **F21V 23/06**

IPC 8 full level
F21S 4/28 (2016.01); **F21V 21/002** (2006.01); **F21K 99/00** (2010.01); **F21V 5/04** (2006.01); **F21Y 115/10** (2016.01)

CPC (source: EP KR US)
F21S 4/28 (2016.01 - EP KR US); **F21S 8/032** (2013.01 - EP KR US); **F21V 5/04** (2013.01 - KR); **F21V 21/002** (2013.01 - EP KR US); **F21V 5/04** (2013.01 - EP US); **F21V 31/00** (2013.01 - EP US); **F21Y 2115/10** (2016.08 - EP KR US)

Citation (search report)

- [A] EP 0677695 A2 19951018 - AIRSIGNA GMBH & CO KG [DE]
- [AD] DE 19627856 A1 19980115 - HAPPICH FAHRZEUG & IND TEILE [DE]
- [A] US 4466050 A 19840814 - LOCKARD JOSEPH L [US]
- [A] EP 0336601 A2 19891011 - CONSUMERVILLE LTD [GB]
- [A] WO 9002906 A1 19900322 - ALLIKO UNLIMITED CORP [US]

Cited by
EP2180557A1; CN103353097A; US7926976B2; WO2016108799A1; EP2896098B1; US7160140B1; US7677914B2; US7520771B2; US8371723B2; US8465175B2; US8756801B2; EP1709359B1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1233232 A2 20020821; **EP 1233232 A3 20050119**; **EP 1233232 B1 20060614**; AT E330169 T1 20060715; DE 10106961 A1 20020829; DE 50110148 D1 20060727; ES 2263542 T3 20061216; HU 0200032 D0 20020328; HU 225335 B1 20060928; HU P0200032 A2 20020828; HU P0200032 A3 20030828; KR 20020067417 A 20020822; SG 114525 A1 20050928; TW I224181 B 20041121; US 2002110000 A1 20020815; US 6837598 B2 20050104

DOCDB simple family (application)
EP 01128283 A 20011129; AT 01128283 T 20011129; DE 10106961 A 20010215; DE 50110148 T 20011129; ES 01128283 T 20011129; HU P0200032 A 20020104; KR 20020001746 A 20020111; SG 200200580 A 20020130; TW 90130087 A 20011205; US 6806802 A 20020206