

Title (en)
ELECTRICAL CONNECTOR FOR LED FLEXIBLE EPOXY LIGHT STRIP

Title (de)
ELEKTRISCHER VERBINDER FÜR EIN FLEXIBLES EPOXID-LED-LEUCHTBAND

Title (fr)
CONNECTEUR ÉLECTRIQUE DESTINÉ À UNE RÉGLETTE D'ÉCLAIRAGE ÉPOXY SOUPLE À DIODE ÉLECTROLUMINESCENTE

Publication
EP 2733789 A4 20150218 (EN)

Application
EP 12815165 A 20120711

Priority
• CN 201120251608 U 20110715
• CN 2012078454 W 20120711

Abstract (en)
[origin: EP2733789A1] An electrical connector for LED flexible epoxy light bar, it is characterized in that it comprises a main body (2) and a lid buckled (4) with the said main body, the said body includes a plurality of conductive puncture portions(3); one side of the main body is connected to a plurality of wires(1), the said conductive puncture portions are connected with corresponding wires one by one, one end of the light bar (10) is held between said main body and lid, the said conductive puncture portions pierces the copper wire plate (9) at one end of the corresponding light bar. This electrical connector requires only pressing the lid to achieve the connection between the light bar and wire, so it is easily installed, no any specialized tools required; in addition, the single point may carry 5A current; furthermore, it is compact, less area of land occupied; light weight, and easily hung up.

IPC 8 full level
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CPC (source: EP)
H01R 4/2433 (2013.01); **H01R 12/63** (2013.01); **H01R 12/675** (2013.01); **H01R 13/7175** (2013.01)

Citation (search report)
• [I] WO 9014698 A1 19901129 - FONDERAL SRL [IT]
• [I] EP 1391967 A1 20040225 - WIELAND ELECTRIC GMBH [DE]
• [A] WO 2011001411 A1 20110106 - YANTEC [FR], et al

Citation (examination)
• US 2007054540 A1 20070308 - TAKEDA HIROSHI [JP]
• See also references of WO 2013010445A1

Cited by
EP3104060B1; EP3104464B1

Designated contracting state (EPC)
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