

Title (en)

Electrical end connector for a prefabricated leaktight conduit member for the distribution of electrical power

Title (de)

Elektrischer Endstecker für eine vorgefertigte dichte Leitungsanordnung zum Verteilen von elektrischer Energie

Title (fr)

Connecteur d'extrémité pour une installation de varres omnibus étanche destinée à la distribution d'énergie électrique

Publication

EP 1786079 A1 20070516 (EN)

Application

EP 05425801 A 20051114

Priority

EP 05425801 A 20051114

Abstract (en)

Leaktight electrical end connector for a prefabricated conduit member having conducting bars (6, 7, 8, 9) housed in slots which are leaktight except at the ends of the conduit, from the sides of which there project a pair of retractable locking teeth (19) for permanent locking of the connector comprising: a pair of shells (23, 24) of plastics material coupled together in a leaktight manner and forming an enclosure with at least one mouth, at least one seal (33) housed in the enclosure close to the mouth for leaktight coupling with the end of a first conduit member inserted therein, means (45, 46, 109, 110) within the enclosure for permanent engagement between the teeth (19) and the end of the conduit, disengaging means (48, 49, 105) to act on the locking teeth (19) or on the engaging means (109, 110) from the exterior of the enclosure to cause their disengagement, and electrical terminals (54, 55, 56, 57) housed in the enclosure for electrical connection of the conduit member to a second conduit member or to a sheathed multipole flexible electrical cable.

IPC 8 full level

H02G 5/00 (2006.01)

CPC (source: EP)

H01R 13/52 (2013.01); **H01R 25/162** (2013.01)

Citation (search report)

- [A] US 5614697 A 19970325 - JEGO GERARD [FR], et al
- [AD] EP 0335756 A1 19891004 - TELEMECANIQUE ELECTRIQUE [FR]
- [A] FR 1533676 A 19680719 - GEN ELECTRIC
- [A] EP 0936714 A2 19990818 - CIAMA C S L [ES]

Cited by

EP3288131A1; EP1956688A1; US10505324B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

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EP 05425801 A 20051114; AT 05425801 T 20051114; DE 602005007751 T 20051114; EP 2006010599 W 20061106; ES 05425801 T 20051114; PT 05425801 T 20051114