

Title (en)
Electrical connector.

Title (de)
Elektrischer Verbinder.

Title (fr)
Connecteur électrique.

Publication
EP 0196925 A2 19861008 (EN)

Application
EP 86302484 A 19860403

Priority
GB 8508682 A 19850403

Abstract (en)
The connector comprises a housing (110) having an infeed opening (112) for an electrically-insulated wire. The housing (110) accommodates a fixed contact (114), a pivotally mounted pressure lever (116) acted upon by a compression spring (134) and a pivotally mounted operating member (118) having a cam surface (132) engageable with the pressure lever. The fixed contact (114) and the pressure lever (116) both have co-operating, longitudinally-offset, insulation-penetrating parts (120 and 126). Pivotable movement of the operating member (118) from a first to a second position moves the pressure lever (116) against the action of the spring (134) into a position in which the penetrating parts (120 and 126) cut into the insulation of a wire extending through the infeed opening (112) and grip the wire in a manner which electrically connects the conductor of the wire to the fixed contact (114). Preferably the pressure lever (116) is mounted so that it can automatically compensate for different wire conductor diameters.

IPC 1-7
H01R 4/24; **H01R 4/52**; **H01R 9/22**

IPC 8 full level
H01R 4/24 (2006.01); **H01R 4/52** (2006.01); **H01R 9/22** (2006.01)

CPC (source: EP US)
H01R 4/2412 (2013.01 - EP US); **H01R 4/52** (2013.01 - EP); **H01R 9/22** (2013.01 - EP)

Cited by
US5174783A; EP0263701A3; EP2942836A4; WO9965111A1

Designated contracting state (EPC)
AT BE DE FR

DOCDB simple family (publication)
EP 0196925 A2 19861008; **EP 0196925 A3 19881214**; GB 2173653 A 19861015; GB 2173653 B 19891213; GB 8508682 D0 19850509; GB 8608143 D0 19860508

DOCDB simple family (application)
EP 86302484 A 19860403; GB 8508682 A 19850403; GB 8608143 A 19860403