

Title (en)
Connection device for multi-conductor cables

Title (de)
Anschlussvorrichtung für Mehrleiterkabel

Title (fr)
Dispositif de raccordement pour câble multipolaire

Publication
EP 1936747 A3 20091223 (DE)

Application
EP 07119744 A 20071031

Priority
DE 202006019520 U 20061221

Abstract (en)
[origin: US2008153346A1] A connector arrangement for connecting the insulated conductors of a flat cable with an output load includes insulation-piercing contacts that extend upwardly from the horizontal upper surface of the rectangular base member of a connector housing. When a housing cover member is slidably displaced longitudinally of the base member from a first position toward a second position, a first wedge arrangement displaces an actuator plate and a cable support plate downwardly to force the cable into insulation-piercing engagement with the contacts. A locator insulating lug normally extends upwardly from the cable support plate for insertion within an access opening contained in the cable, and between the separated ends defined by an intermediate portion of a conductor that is separated by the access opening. When the cable is uniform and contains no access opening, the lug is displaced by the cable toward an inoperable position relative to the support plate.

IPC 8 full level
H01R 12/24 (2006.01); **H01R 4/24** (2006.01)

CPC (source: EP US)
H01R 12/675 (2013.01 - EP US); **H01R 25/142** (2013.01 - EP US)

Citation (search report)
• [DA] GB 2141593 A 19841219 - YAMAICHI ELECTRIC MFG
• [DA] EP 1518812 A1 20050330 - DAETWYLER AGSCHWEIZERISCHE KAB [CH]

Cited by
EP3021421A1; DE102014116488A1; DE102014116490A1

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
US 2008153346 A1 20080626; US 7407407 B2 20080805; AT E518277 T1 20110815; DE 202006019520 U1 20080430;
EP 1936747 A2 20080625; EP 1936747 A3 20091223; EP 1936747 B1 20110727; ES 2370431 T3 20111215

DOCDB simple family (application)
US 138307 A 20071211; AT 07119744 T 20071031; DE 202006019520 U 20061221; EP 07119744 A 20071031; ES 07119744 T 20071031