

Title (en)
An electrical connector with insulation displacement contacts

Title (de)
Elektrostecker mit Schneidklemmkontakten

Title (fr)
Connecteur électrique à contacts autodénudants

Publication
EP 2608319 A3 20140416 (EN)

Application
EP 12196821 A 20121212

Priority
AU 2011265354 A 20111221

Abstract (en)
[origin: EP2608319A2] An electrical connector (10) has insulation displacement contacts adapted to make electrical connection with respective insulated conductors in a cable (26). The connector (10) includes a passageway (16) for receiving the cable (26) and three cutting edges (28, 30, 32) of respective insulation displacement contacts for cutting into the insulated conductors of the cable to make separate electrical connections thereto when received in the passageway. The cutting edges are aligned longitudinally with the passageway. The electrical connector (10) also includes a movable press (14) located adjacent to the passageway (16) and movable between a first position where it allows access of the cable (26) into the passageway and a second position where it presses against the cable (26) and forces it against the cutting edges (28, 30, 32). This causes the cutting edges to cut through the cable (26) and make separate electrical connections to the conductors in the cable substantially simultaneously and longitudinally with reference to the direction of the cable in the passageway.

IPC 8 full level
H01R 4/24 (2006.01); **H01R 12/61** (2011.01)

CPC (source: EP)
H01R 4/2433 (2013.01); **H01R 12/616** (2013.01)

Citation (search report)

- [X] WO 9833235 A1 19980730 - SIEMENS AG [DE], et al
- [X] US 2008081507 A1 20080403 - MAHAJAN KAMAL [US]
- [X] EP 1575136 A2 20050914 - REICHLE & DE MASSARI FA [CH]
- [X] US 7144269 B2 20061205 - LIBBY ROBERT A [US], et al
- [IA] US 6083035 A 20000704 - MACKEY DENNIS C [US], et al
- [IA] US 2004235335 A1 20041125 - SCHOEFFEL PIERRE [FR], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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EP 2608319 A2 20130626; EP 2608319 A3 20140416; EP 2608319 B1 20180905; AU 2011265354 A1 20130711; AU 2011265354 B2 20160825; AU 2011265354 C1 20190808; AU 2016101118 A4 20160825; AU 2016101118 B4 20161215; NZ 604413 A 20141031

DOCDB simple family (application)
EP 12196821 A 20121212; AU 2011265354 A 20111221; AU 2016101118 A 20160718; NZ 60441312 A 20121212