

Title (en)

Electrical connector

Title (de)

Elektrischer Verbinder

Title (fr)

Connecteur électrique

Publication

EP 0554810 B1 20010725 (DE)

Application

EP 93101464 A 19930130

Priority

DE 4203455 A 19920207

Abstract (en)

[origin: US5277616A] For an electrical connector for connecting insulated electrical conductors, preferably an electrical plug and socket connector, with contact elements disposed in chambers of a carrying base with cutting and insulation displacement connections for connection to the conductor, the conductors being introduced into the connector in the axial direction, relative to the contact elements, it is proposed that the conductors be pressed by means of a conductor guiding element, which is constructed as a pressure part, into the cutting and insulation displacement connections. At the same time, the conductors are pushed through a guiding borehole, in which they are deflected in such a manner, that they are guided obliquely through a recess in the conductor guiding element. When the carrying base and the conductor guiding element are joined together, the cutting and insulation displacement connections dip into these recesses and, in so doing, are connected with the conductors.

IPC 1-7

H01R 12/08; **H01R 4/00**

IPC 8 full level

H01R 4/00 (2006.01); **H01R 4/24** (2006.01); **H01R 12/08** (2006.01); **H01R 13/46** (2006.01)

CPC (source: EP US)

H01R 4/2433 (2013.01 - EP US)

Cited by

RU2611053C2; US5833487A; DE19811667A1; DE19811667C2; EP0945929A3; EP0698941A1; US6435900B1; DE202009010246U1; EP2280452A1; WO2013159773A1; US9490582B2; DE202010010754U1; WO2012022313A1; US8851919B2

Designated contracting state (EPC)

AT DE ES FR GB IT NL SE

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US 5277616 A 19940111; AT E203631 T1 20010815; DE 4203455 C1 19930603; DE 59310195 D1 20010830; EP 0554810 A2 19930811; EP 0554810 A3 19960424; EP 0554810 B1 20010725; ES 2161700 T3 20011216; JP H05283112 A 19931029; JP H0782882 B2 19950906

DOCDB simple family (application)

US 960893 A 19930127; AT 93101464 T 19930130; DE 4203455 A 19920207; DE 59310195 T 19930130; EP 93101464 A 19930130; ES 93101464 T 19930130; JP 1734993 A 19930204