

Title (en)
Connector for electrical conductors

Title (de)
Steckverbinder für elektrische Leiter

Title (fr)
Connecteur pour conducteurs électriques

Publication
EP 0921592 A3 20010411 (DE)

Application
EP 98121301 A 19981109

Priority
DE 29721354 U 19971203

Abstract (en)
[origin: US6135804A] An electrical connector assembly includes a main connector body formed of insulating material and containing a longitudinal through bore, an electrical contact having an insulation-piercing cutting edge mounted in a slot contained in the rear end of the connector body, and a wire support member having a forward end portion that is insertable within the slot, the support member forward end containing on its lateral surface a vertical groove for receiving an insulated wire conductor, whereby when the support member forward end is inserted within the slot, the cutting edge pierces the wire insulation and engages the electrical conductor at a desired location intermediate its ends.

IPC 1-7
H01R 4/24

IPC 8 full level
H01R 4/24 (2006.01); **H01R 13/506** (2006.01)

CPC (source: EP US)
H01R 4/2433 (2013.01 - EP US); **H01R 13/506** (2013.01 - EP US)

Citation (search report)

- [YD] DE 19628116 C1 19971016 - WEIDMUELLER INTERFACE [DE]
- [Y] EP 0077610 A2 19830427 - NORTHERN TELECOM LTD [CA]
- [A] US 4127312 A 19781128 - FLEISCHHACKER JAMES E, et al
- [A] US 4449767 A 19840522 - WEIDLER CHARLES H [US]

Cited by
DE102010023292A1; DE202009013278U1; DE102010023292B4; US8740638B2; WO2011076185A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 6135804 A 20001024; AT E267472 T1 20040615; DE 29721354 U1 19980212; DE 59811418 D1 20040624; EP 0921592 A2 19990609; EP 0921592 A3 20010411; EP 0921592 B1 20040519; ES 2217479 T3 20041101

DOCDB simple family (application)
US 18984998 A 19981112; AT 98121301 T 19981109; DE 29721354 U 19971203; DE 59811418 T 19981109; EP 98121301 A 19981109; ES 98121301 T 19981109