

Title (en)

Disconnectible connector for splicing wire cable.

Title (de)

Steckverbinder zum lösbaren Anschluss von Kabelleitungen.

Title (fr)

Connecteur déconnectable pour le raccordement de câbles conducteurs.

Publication

EP 0134542 A1 19850320 (DE)

Application

EP 84109253 A 19840803

Priority

DE 3329580 A 19830816

Abstract (en)

1. A plug connector for detachably connecting cable lines, consisting of a plug socket (2) and of a plug which can be coupled thereto, with a hollow-cylindrical plug housing (7) and with a contact insert (10) which accommodates exchangeable bush contacts (12) and which consists of insulating material, where sealing elements (11, 14) are inserted, in elastically deformed fashion, between the bush contacts (12) and the contact insert (10) and between the contact insert (10) and the plug housing (7), characterised in that the contact insert (10) consists of several parts and one part (10c) of the contact insert (10) contains conical bores into which are inserted, in shape-locking fashion, sealing elements (11) which surround the bush contacts (12) and which rest in the axial direction against another part (10b) of the contact insert (10), where the plug housing (7) is divided and one part (7a) can be screwed into the other part (7b) thus compressing the contact insert components (10b, 10c) and the sealing elements (11) arranged between them.

Abstract (de)

Es wird vorgeschlagen, zwischen den Buchsenkontakten und dem Kontakteinsatz des Steckergehäuses und zwischen Kontakteinsatz und Steckergehäuse gummielastische Dichtelemente, vorzugsweise O-Ringe, vorzusehen. Steckverbinder in kerntechnische Anlagen mit extremen Umgebungsbedingungen im Störfall.

IPC 1-7

H01R 13/52

IPC 8 full level

H01R 13/52 (2006.01); **H01R 13/74** (2006.01)

CPC (source: EP)

H01R 13/5202 (2013.01); **H01R 13/5205** (2013.01); **H01R 13/521** (2013.01); **H01R 13/74** (2013.01)

Citation (search report)

- [X] US 4355855 A 19821026 - REBIKOFF DIMITRI
- [Y] US 3816641 A 19740611 - IVERSEN R
- [A] GB 725021 A 19550302 - TITEFLEX INC
- [A] GB 1116143 A 19680606 - AMPHENOL CORP

Cited by

CN106785646A; CN103138103A; CN102714371A; EP0715374A3; EP0300804A3; EP0844698A3; EP1608043A1; CN105790020A; DE102012218401A1; ITMI20131357A1; CN104704685A; CN110088983A; KR20190091279A; EP3539184A4; CN113659384A; US8747138B2; WO2011076399A1; WO2014180938A1

Designated contracting state (EPC)

AT BE DE FR GB

DOCDB simple family (publication)

EP 0134542 A1 19850320; EP 0134542 B1 19871202; AT E31231 T1 19871215; DE 3329580 A1 19850307; DE 3467958 D1 19880114

DOCDB simple family (application)

EP 84109253 A 19840803; AT 84109253 T 19840803; DE 3329580 A 19830816; DE 3467958 T 19840803