

Title (en)

Connector with free plug and socket for electric cables.

Title (de)

Beweglicher Stecker und Kupplung für elektrische Kabel.

Title (fr)

Connecteur pour câbles électriques à fiche et douille volantes.

Publication

EP 0353539 A1 19900207 (EN)

Application

EP 89113137 A 19890718

Priority

IT 2159088 A 19880729

Abstract (en)

The proposed electrical connector is provided with a terminal board (21) and a clamping device (1, 3) which is integral with said terminal board (21) during use. These consist of two separate elements, each having a reciprocal engaging means. This can comprise, as regards the clamping device, a pair of arms (9, 10) integral with said device and having shaped ends. In particular the arms (9, 10) can be integral with just one (3) of the two coupling brackets (1, 3) suitable for receiving the electric cable between them. Preferably, at least one of the two arms has an enlarged head (12) at its free end, capable of locking in an axial direction into a hole (25) provided on the terminal board (21). The other arm (10) can also be equipped with a seat (13) capable of being received into a peripheral slot (27) provided on the terminal board (21), provision being made in this case for the rotation of the engaging means of the other arm (9) with respect to the terminal board (21).

IPC 1-7

H01R 13/58

IPC 8 full level

H01R 13/58 (2006.01)

CPC (source: EP)

H01R 13/5804 (2013.01)

Citation (search report)

- [A] DE 2433347 A1 19760122 - BALS ELEKTRO
- [A] DE 3305767 A1 19840830 - KALTHOFF GMBH [DE]
- [A] DE 1515815 B1 19700205 - HEYMAN MFG CO
- [A] DE 2023168 A1 19701203 - CEIL SA

Cited by

EP2492563A1; US5588871A; EP1137140A3; EP1489712A3; GB2372890A; GB2372890B; GB2459146A; US5814770A; FR3125926A1; US6706970B2; EP2436987A2; WO03061078A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0353539 A1 19900207; EP 0353539 B1 19930113; AT E84643 T1 19930115; DE 68904375 D1 19930225; DE 68904375 T2 19930624; ES 2037345 T3 19930616; IT 1227022 B 19910308; IT 8821590 A0 19880729

DOCDB simple family (application)

EP 89113137 A 19890718; AT 89113137 T 19890718; DE 68904375 T 19890718; ES 89113137 T 19890718; IT 2159088 A 19880729