

Title (en)

Circular connector for making electrical connections

Title (de)

Rundsteckverbinder zur Herstellung elektrischer Leitungsverbindungen

Title (fr)

Connecteur circulaire pour établir des communications électriques

Publication

**EP 1089392 A3 20010523 (DE)**

Application

**EP 00115512 A 20000719**

Priority

DE 19941518 A 19990831

Abstract (en)

[origin: US6447320B1] A circular plug and socket connector is introduced for producing electrical line connections. In the region of one of its ends it includes a housing, accommodating and holding an insulating base as contact carrier and, in the region of its other end, it includes a sealing cable lead-in and a coupling ring, which makes a screwed connection with a second plug and socket connector half of complementary construction and is mounted rotatably on the outer periphery of the housing and secured against being pulled off in the axial direction and a covering cap fixed mechanically to the housing. In the interests of improving the ease of installation and service, the circular plug and socket connector is distinguished in that a coupling ring, extending over more than the total length of the plug and socket connector half, is supported in the region of its free end, protruding over contact carrier, on a cylindrical peripheral surface of the housing and, in the region of its other end, on a cylindrical longitudinal section of a neck continuation of the covering cap.

IPC 1-7

**H01R 13/622**; **H01R 13/58**; **H01R 13/512**; **H01R 13/52**; **H01R 13/508**

IPC 8 full level

**H01R 13/52** (2006.01); **H01R 13/58** (2006.01)

CPC (source: EP US)

**H01R 13/5205** (2013.01 - EP US); **H01R 13/5816** (2013.01 - EP US)

Citation (search report)

- [YD] DE 19743212 C1 19990211 - SIEMENS AG [DE]
- [YD] DE 4301504 A1 19940728 - ESCHA BAUELEMENTE GMBH [DE]
- [A] DE 19856504 A1 19990722 - KALTHOFF GMBH [DE]
- [A] WO 9815037 A1 19980409 - METAL MANUFACTURES LTD [AU], et al
- [A] US 4580865 A 19860408 - FRYBERGER CHARLES T [US]

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 6447320 B1 20020910**; AT E308131 T1 20051115; DE 19941518 A1 20010301; DE 29915382 U1 20010111; DE 50011428 D1 20051201; EP 1089392 A2 20010404; EP 1089392 A3 20010523; EP 1089392 B1 20051026

DOCDB simple family (application)

**US 65053600 A 20000830**; AT 00115512 T 20000719; DE 19941518 A 19990831; DE 29915382 U 19990902; DE 50011428 T 20000719; EP 00115512 A 20000719