

Title (en)

Plug connection in cable connecting devices for high tension-power current applications

Title (de)

Steckvorrichtung für Kabelverbindungen im Hochspannungs-Starkstrombereich

Title (fr)

Connexion à fiche pour dispositif de connexion de câbles au domaine de haute tension et de courant fort

Publication

**EP 0757410 A3 19970730 (DE)**

Application

**EP 96112084 A 19960726**

Priority

DE 19528126 A 19950801

Abstract (en)

[origin: EP0757410A2] The high voltage (HV) cable connector has the core of the cable fitted with a plug element 1a that is inserted into a socket bush element 2a. For ease of insertion, a clearance 5 is provided between the plug and socket. In order to ensure good electrical contact between them the plug is fitted with a contact ring 3a that fits in a groove . The ring is produced as a toroidal ring of coil spring material with a large number of coils making contact with socket. The coils are free to deflect and lie flat during insertion of the plug and finally latch into the groove 17 of the socket

IPC 1-7

**H01R 13/53**

IPC 8 full level

**H01R 13/187** (2006.01); **H01R 13/53** (2006.01)

CPC (source: EP)

**H01R 13/187** (2013.01); **H01R 13/53** (2013.01); **H01R 13/111** (2013.01)

Citation (search report)

- [A] FR 2209483 A5 19740628 - CABLES DE LYON GEOFFROY DELORE [FR]
- [A] EP 0579487 A2 19940119 - SUMITOMO WIRING SYSTEMS [JP]
- [A] DE 4139100 C1 19930107

Cited by

CN107069292A; EP2398120A4; AU2005339225B2; CN107069268A; CN106848677A; EP1476922A4; CN107069269A; CN107069277A; CN103125051A; CN106848676A; CN106848681A; US7601006B2; WO2007068241A1; WO03067713A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 0757410 A2 19970205; EP 0757410 A3 19970730; EP 0757410 B1 20000322**; DE 19528126 A1 19970206; DE 59604739 D1 20000427

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