

Title (en)

PLUG ELEMENT FOR ELECTRIC CONNEXION, IN PARTICULAR DISTRIBUTION BOARDS OR THE LIKE

Title (de)

STECKELEMENT FÜR DIE ELEKTRISCHE VERBINDUNG, INSBESONDERE IN VERTEILERANLAGEN ODER DERGLEICHEN

Title (fr)

ELEMENT ENFICHABLE POUR CONNEXIONS ELECTRIQUES, NOTAMMENT DANS DES TABLEAUX DE DISTRIBUTION OU SIMILAIRES

Publication

EP 0479994 B1 19960313 (DE)

Application

EP 91907841 A 19910417

Priority

- DE 4013311 A 19900426
- EP 9100729 W 19910417

Abstract (en)

[origin: WO9116743A1] The contact properties of plug elements deteriorate even with slight twists. By using elastic intermediate, current-transmitting elements, a relative insensitivity to twists is obtained. In order to reliably secure the intermediate elements to bearing or current-carrying-off elements, however high costs are incurred. In order to eliminate the disadvantages of the state of the art and to obtain good contact properties with a reliable fastening, the contact bars are imbedded in a plug shell in such a way that they are located in window-like openings and engage slots by their edges. The current is led by contact tabs that protrude from the plug shell. The plug shell is composed of two identical halves which may be interconnected by interlocking and by adherence without any additional fastening elements. With these plug elements, a reliable contact of busbars is easily obtained and it becomes possible to supply with load current plug-in racks of distribution boards with plug-in racks and reduced plugging forces. Besides other advantages, this plug element is rugged and easy to mount.

IPC 1-7

H01R 25/14

IPC 8 full level

H01R 25/14 (2006.01)

CPC (source: EP US)

H01R 25/142 (2013.01 - EP US)

Designated contracting state (EPC)

CH DK ES FR GB IT LI SE

DOCDB simple family (publication)

WO 9116743 A1 19911031; AU 7696391 A 19911111; CA 2062821 A1 19911027; CA 2062821 C 20001107; DE 4013311 A1 19911031; DE 4013311 C2 19920423; DK 0479994 T3 19960708; EP 0479994 A1 19920415; EP 0479994 B1 19960313; US 5222910 A 19930629

DOCDB simple family (application)

EP 9100729 W 19910417; AU 7696391 A 19910417; CA 2062821 A 19910417; DE 4013311 A 19900426; DK 91907841 T 19910417; EP 91907841 A 19910417; US 81261891 A 19911223