

Title (en)

Multipole connecting device with centering block and shielding arrangement.

Title (de)

Mehrpolige Steckvorrichtung mit einer Zentrierleiste mit einer Schirmvorrichtung.

Title (fr)

Dispositif de connexion à contacts multiples avec bloc de centrage et dispositif de blindage.

Publication

EP 0405416 B1 19950301 (DE)

Application

EP 90112063 A 19900625

Priority

DE 3921430 A 19890629

Abstract (en)

[origin: US5067914A] A multi-pole plug mechanism has a centering strip emplaceable onto a connection board for receiving a plug, the centering strip including a shield electrically connected to regions of the chassis holding the connection board and which are connected to ground. The shield is formed by a plurality of shield elements having shielding surfaces aligned parallel to the plug-in direction and that resiliently press against a shield of the plug in the plugged condition. The centering strip is composed of a bottom plate with passages therethrough for contact blades and comprises angular spacers per prescribed unit length in the respective corner regions that have seats for the contact blades in the free end regions. The shield comprises two metallic longitudinal spring strips and two metallic transverse spring strips including cooperating recesses and hook structures for mutual connection thereof and simultaneously form the entry region for plug sections as shielding per prescribed unit length.

IPC 1-7

H01R 13/658; H01R 23/68

IPC 8 full level

H01R 13/648 (2006.01); **H01R 13/658** (2011.01)

CPC (source: EP US)

H01R 13/6582 (2013.01 - EP US); **H01R 13/6594** (2013.01 - EP US); **H01R 13/6587** (2013.01 - EP US)

Cited by

US5429528A; EP0595304A3; DE19537530C1; EP0863581A1; US5865646A

Designated contracting state (EPC)

AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0405416 A2 19910102; EP 0405416 A3 19910502; EP 0405416 B1 19950301; AT E119324 T1 19950315; DE 59008569 D1 19950406;
JP H0337978 A 19910219; US 5067914 A 19911126

DOCDB simple family (application)

EP 90112063 A 19900625; AT 90112063 T 19900625; DE 59008569 T 19900625; JP 16858690 A 19900628; US 68447991 A 19910412