

Title (en)
Multi-contact connection device.

Title (de)
Vielpolige Steckvorrichtung.

Title (fr)
Dispositif de connexion multipolaire.

Publication
EP 0156033 A2 19851002 (DE)

Application
EP 84116257 A 19841222

Priority
DE 3407725 A 19840302

Abstract (en)
[origin: US4586766A] To reduce the engagement force of a multi-terminal plug-and-socket connection, for example having fifty connecting terminals, and reliably positioning the plugs and sockets with respect to each other even upon being subjected to vibration and shock, a handle (13) is provided which is pivoted to the plug element (8, 9) and connected to the plug element by an angled lever (14, 17), the pivot connection (15) being at the end of the angled lever, and, adjacent the apex of the angle of the angled lever, a bolt is located which is operable in a guide track (21), formed as a slit in an upstanding side wall (19) of the socket element (2), the slit being formed with a terminal opening (22) to permit release of the guide bolt (18) from the slit (21) when the handle (13) is raised (chain-dotted position) and consequent disengagement of the plug (8) from the socket (2) by unhooking a pair of interengaging hooks (5, 12) located at the end of the plug-socket connection remote from the handle (13). The arrangement reduces the engagement force required to be applied by an operator for secure interengaging of blade-type terminals by use of the leverage available by the combination of the handle with the angled lever.

Abstract (de)
Es wird eine vielpolige Steckvorrichtung für elektrische Schaltgeräte vorgeschlagen, bei der ein Stecker (8) schüttelfest an einem Aufnahmeteil (2) des Schaltgeräts anzuordnen ist. Die Steckvorrichtung ist mit einer willkürlich betätigbaren Hilfsvorrichtung (3 bis 18) versehen, die aus einem Bügel (13) besteht, der an einem Teil (8) der Steckvorrichtung schwenkbar angelenkt ist und in einem Schlitz (21) des anderen Teils (2) der Steckvorrichtung die Steck- und Entriegelungskraft für den Stecker (8) reduzierend einführt und verriegelbar ist.

IPC 1-7
H01R 13/639

IPC 8 full level
H01R 13/629 (2006.01); **H01R 13/639** (2006.01)

CPC (source: EP US)
H01R 13/62933 (2013.01 - EP US)

Cited by
AT395083B; EP0603542A3; GB2179506A; DE3711464A1; DE3711464C3; FR2700072A1

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DE FR IT

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EP 84116257 A 19841222; DE 3407725 A 19840302; DE 3482296 T 19841222; JP 3780685 A 19850228; US 67718784 A 19841203