

Title (en)  
MULTIPOLAR ELECTRIC COUPLING DEVICE.

Title (de)  
VIELPOLIGE ELEKTRISCHE KUPPLUNGSVORRICHTUNG.

Title (fr)  
DISPOSITIF ELECTRIQUE DE RACCORDEMENT MULTIPOLAIRE.

Publication  
**EP 0493547 B1 19940330 (DE)**

Application  
**EP 91911746 A 19910704**

Priority  
DE 4022701 A 19900717

Abstract (en)  
[origin: WO9202058A1] A multipolar electric coupling device has a multipoint plug and a socket board arranged each in a housing. The housing of the socket board and the housing of the multipoint plug are mutually linked at one end by a detachable hinge and can be pressed against each other by means of pins of the socket board housing guided in connecting grooves of the multipoint plug housing in order to put the multipoint plug in contact with the socket board. In order to ensure a reliable connection, the socket board housing (4) is pivotally held on the multipoint plug housing (1) by a hinge formed by a pin (5) that penetrates into groove-like recesses (7) of the multipoint plug housing (1). A slider (10) guided in the longitudinal direction is arranged on the socket board housing (4) and carries on both sides sliding blocks (14) at its end opposite to the hinge (5, 7). In both longitudinal walls (1') of the multipoint plug housing (1) are arranged connecting grooves (15) into or out of which the sliding blocks (14) can be pushed or pulled by means of the slider (10) in order to press or to release the socket board housing (4).

IPC 1-7  
**H01R 13/629**

IPC 8 full level  
**H01R 13/629** (2006.01); **H01R 13/639** (2006.01); **H01R 13/64** (2006.01)

CPC (source: EP KR US)  
**H01R 13/629** (2013.01 - KR); **H01R 13/62905** (2013.01 - EP US); **H01R 13/64** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE DE ES FR GB IT NL SE

DOCDB simple family (publication)  
**WO 9202058 A1 19920206**; AU 648805 B2 19940505; AU 8009191 A 19920218; BR 9105831 A 19920922; DE 4022701 A1 19920123; DE 59101281 D1 19940505; EP 0493547 A1 19920708; EP 0493547 B1 19940330; ES 2052382 T3 19940701; JP H05502328 A 19930422; KR 920702565 A 19920904; US 5238418 A 19930824

DOCDB simple family (application)  
**EP 9101248 W 19910704**; AU 8009191 A 19910704; BR 9105831 A 19910704; DE 4022701 A 19900717; DE 59101281 T 19910704; EP 91911746 A 19910704; ES 91911746 T 19910704; JP 51135491 A 19910704; KR 920700576 A 19920313; US 83842091 A 19910305