

Title (en)
COUPLING DEVICE

Publication
EP 0117286 B1 19861230 (DE)

Application
EP 83110993 A 19831103

Priority
DE 3302924 A 19830128

Abstract (en)
[origin: EP0117286A1] 1. A coupling device for circular plug contacts crimped to electric conductors and comprising a plug (3) and a socket (1), circular pin bushings being preferably disposed in chambers (2) of the socket (1) and circular pins in chambers (4) of the plug (3), characterized by contact chambers (4) extending from the surface (7) of the plug (3) to a plug-in surface (8) of the plug (3), and contact chambers (2) extending from the surface (5) of the socket (1) to a plug-in surface (6) of the socket (1), the contact chambers (2, 4) being in line and facing on another when the coupling is plugged in, the plug (3) being disposed in a pot (9), the bottom (10) of which is adjacent the plug surface (7) and the pot (9) being made longer than the plug (3) and extending partly over the socket (1) on the plug (3), the socket (1) being disposed in a second pot (15) the bottom of which (16) is adjacent the socket surface (5), inwardly projecting, radially inwardly spring-mounted, laterally spaced locking arms (11) being arranged in groups on the bottom (10) of the first pot (9), each group projecting into a contact chamber (4), and similarly shaped, similarly acting second locking arms (11a) being arranged in groups in similar manner on the bottom (16) of the second pot (15) in the same ways as on the bottom (10) of the first pot (9), each group extending into a contact chamber (2), an O-ring (27) being mounted in an outer peripheral groove (28) formed in a wall (17) of the second pot (15) and being pressed against the inner wall of the first pot (9).

IPC 1-7
H01R 13/422; **H01R 13/52**

IPC 8 full level
H01R 13/62 (2006.01); **H01R 13/622** (2006.01)

CPC (source: EP)
H01R 13/62 (2013.01); **H01R 13/622** (2013.01)

Cited by
EP0196368A1

Designated contracting state (EPC)
FR GB IT NL

DOCDB simple family (publication)
DE 3302924 A1 19840802; **DE 3302924 C2 19890112**; **DE 3302924 C3 19950921**; EP 0117286 A1 19840905; EP 0117286 B1 19861230; ES 285335 U 19860101; ES 285335 Y 19860801

DOCDB simple family (application)
DE 3302924 A 19830128; EP 83110993 A 19831103; ES 285335 U 19831220