

Title (en)  
Hermaphroditic coupler.

Title (de)  
Zwitterverbinder.

Title (fr)  
Connecteur réversible.

Publication  
**EP 0450909 B1 19951129 (EN)**

Application  
**EP 91302868 A 19910402**

Priority  
US 50269390 A 19900402

Abstract (en)  
[origin: EP0450909A1] A hermaphroditic coupling mechanism includes two identical coupling members (4, 5), each including two latch arms (6, 7) and two detented locking ramp surfaces (15, 21). The latch arms include surfaces (10, 11) which face a coupler interface (19, 20), while the locking ramp surfaces face away from the interface. The latch arms are inserted through grooves (24) in a collar (17, 18) on which the locking ramp surfaces are provided, and the members are then rotated relative to each other causing the surfaces on the latch arms to pass over detents (22) on the locking surfaces, thereby locking the coupling members together against relative axial movement. The coupling members may be secured to respective contacts by a snap-fit arrangement (26, 28-33, and 46). <IMAGE>

IPC 1-7  
**H01R 23/27**

IPC 8 full level  
**H01R 24/84** (2011.01)

CPC (source: EP)  
**H01R 24/84** (2013.01); **H01R 24/56** (2013.01)

Cited by  
GB2326538A; FR2782197A1; EP0875959A1; AU726404B2; EP0887895A1; FR2765034A1; US6227895B1; WO9849753A1; WO9416474A1; WO0008724A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0450909 A1 19911009; EP 0450909 B1 19951129**; AT E130969 T1 19951215; DE 69114888 D1 19960111; DE 69114888 T2 19960418; DK 0450909 T3 19960226; ES 2080892 T3 19960216; GR 3018656 T3 19960430

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