

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

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