

Title (en)
Hermaphroditic locking mechanism

Title (de)
Hermaphroditische Verriegelungseinrichtung

Title (fr)
Mécanisme de verrouillage hermaphrodite

Publication
EP 0887895 A1 19981230 (FR)

Application
EP 98401401 A 19980610

Priority
FR 9707665 A 19970619

Abstract (en)
The mechanism consists of two locking rings (10,20) each forming a sleeve (13,23) surrounding a part of the connector. Each ring has a guide groove (12,22) extending in an arc round the sleeve and made in the thickness of the sleeve wall, and a tongue (11,21) which engages with the groove in the opposite ring. A spring inside the coupling pushes the two rings apart so that projections on the ends of the tongues are locked in matching recesses in the grooves.

IPC 1-7
H01R 23/27

IPC 8 full level
H01R 24/84 (2011.01); **H01R 13/625** (2006.01)

CPC (source: EP)
H01R 24/84 (2013.01); **H01R 13/625** (2013.01)

Citation (search report)

- [A] EP 0450909 A1 19911009 - AMPHENOL CORP [US]
- [A] DE 2806496 A1 19780831 - ITT IND GMBH DEUTSCHE
- [A] EP 0224664 A1 19870610 - SOCAPEX [FR] & FR 2588387 A1 19870410 - SOCAPEX [FR]

Cited by
EP2037545A3; CN103618170A; CN110165497A; US9065209B2; WO2021114477A1

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