

Title (en)
Connector with lock mechanism.

Title (de)
Steckverbinder mit Verriegelungsmechanismus.

Title (fr)
Connecteur avec mécanisme de verrouillage.

Publication
EP 0187887 A1 19860723 (EN)

Application
EP 85100509 A 19850118

Priority
EP 85100509 A 19850118

Abstract (en)
Locking springs (17) project from a plug body (11), and support bars (21) are axially movably held against the locking springs. The support bars axially engage a coupling sleeve (23) through engagement members. With the support bars in engagement with the coupling sleeve, the support bars are urged to move in a forward direction under the bias of a coil spring (22). When a plug is to be coupled to a socket, the support bars are caught by a front surface of a socket body, allowing the locking springs to be inserted into an insertion slot (35) in the socket body (34). When protrusions on the locking springs are inserted in recesses (38) in the insertion slot, the support bars are urged by the coil spring to be inserted into the insertion slot, and the protrusions axially engage in the recesses, whereupon the plug and the socket are locked together. When the coupling sleeve is pulled back against the bias of the coil spring, the support bars are withdrawn out of the insertion slot to allow the plug to be pulled out of the socket.

IPC 1-7
H01R 13/627

IPC 8 full level
H01R 13/627 (2006.01)

CPC (source: EP)
H01R 13/627 (2013.01)

Citation (search report)

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AT BE CH DE FR GB IT LI LU NL SE

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