

Title (en)

Electrical connector with a coupling member in the shape of a rotatable lever arm

Title (de)

Elektrischer Verbinder mit schwenkbarem Kupplungshebelarm

Title (fr)

Connecteur électrique avec levier rotatif d'accouplement

Publication

EP 1263090 A2 20021204 (EN)

Application

EP 02010381 A 20020508

Priority

- EP 02010381 A 20020508
- EP 01401424 A 20010601

Abstract (en)

The invention describes an electrical connector comprising a secondary locking member mountable to the housing of the connector and a coupling assisting member for pulling a second connector to the first connector. The coupling member is shaped as a lever arm and rotatable connected at a rotation axis with the housing. One end of the lever arm is used as a pushing element for rotating the lever arm and the other end is shaped as a guiding plane which leads a leading element of the second connector. The guiding plane is arranged in that way that the distance between the guiding plane and the rotation axis is diminishing from the beginning of the guiding plane in the direction of the end of guiding plane. During the rotation of the coupling member the second leading element of the second connector is sliding along the guiding plane in the direction to the end of the guiding plane. The proposed shape of the coupling member has the advantage that connecting of two connectors can be done with reduced force.

IPC 1-7

H01R 13/629

IPC 8 full level

H01R 13/629 (2006.01)

CPC (source: EP)

H01R 13/62938 (2013.01); **H01R 13/6295** (2013.01)

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 1263090 A2 20021204; EP 1263090 A3 20081001; EP 1263090 B1 20110706

DOCDB simple family (application)

EP 02010381 A 20020508