

Title (en)  
Electrical Connector

Title (de)  
Elektrischer Steckverbinder

Title (fr)  
Connecteur électrique

Publication  
**EP 2017924 A2 20090121 (EN)**

Application  
**EP 08252460 A 20080718**

Priority  
GB 0714219 A 20070720

Abstract (en)  
The present invention relates to an electrical connector (10). The electrical connector (10) comprises: a male part (12) and a female part (14); and a connector coupling operative to engage the male part and the female part with each other, the connector coupling being brought into engagement by relative rotation of the male and female parts. A spring biased pin (45) projects from one of the male and female parts and a recess (42) is defined in the other of the male and female parts, the pin being received in the recess when the connector coupling is engaged to thereby limit relative rotation of the male and female parts and prevent disengagement of the connector coupling. The electrical connector also comprises a disengaging device (80), the electrical connector being configured such that upon relative rotation of the disengaging device and one of the male and female parts, the disengaging device advances along the said one part and in so doing depresses the pin against its bias to thereby allow for disengagement of the connector coupling.

IPC 8 full level  
**H01R 13/635** (2006.01); **H01R 13/625** (2006.01)

CPC (source: EP)  
**H01R 13/635** (2013.01)

Citation (applicant)  
• US 6309231 B1 20011030 - GORDON KEITH FORBES [GB], et al  
• WO 2005083848 A1 20050909 - ITT MFG ENTERPRISES INC [US], et al  
• US 2005083848 A1 20050421 - SHAO HUAI-RONG [US], et al

Cited by  
CN105186178A; RU2474021C1; US8562372B2; WO2010089023A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 2017924 A2 20090121; EP 2017924 A3 20120502; GB 0714219 D0 20070829**

DOCDB simple family (application)  
**EP 08252460 A 20080718; GB 0714219 A 20070720**