

Title (en)
Two-part electrical connector

Title (de)
Zweiteiliger elektrischer Steckverbinder

Title (fr)
Connecteur électrique en deux parties

Publication
EP 0901194 A2 19990310 (EN)

Application
EP 98202645 A 19980806

Priority
GB 9718894 A 19970908

Abstract (en)
A two-part electrical connector comprising a first part (12) having a housing (14) of electrically insulating material and which is substantially annular; a second part (16) having a housing (18) of electrically insulating material and which makes a sliding fit inside the housing of the first part, the housing of the second part having a radially outwardly extending substantially rigid lug (56); a locking ring (20) which is substantially annular and which is retained in the housing of the first part, the locking ring being capable of movement in an axial direction (A) relative to the housing of the first part between a first position and a second position; a latching ring (22) which is substantially annular and which is retained in the housing of the first part and is partially surrounded by the locking ring, the latching ring having a radially inwardly extending resilient latching tang (38) which can be engaged by, and latches with, the lug on the housing of the second part on sliding the housing of the second part into the housing of the first part; and a spring (24) acting on the locking ring to bias the locking ring towards the first position; wherein the locking ring has a circumferentially extending bar (48) and a circumferentially extending aperture (50) adjacent the bar in an axial direction; wherein in the first position of the locking ring, the bar is adjacent the latching tang on the latching ring to substantially prevent radially outward movement of the latching tang; and wherein in the second position of the locking ring, the aperture is adjacent the latching tang on the latching ring to allow radially outward movement of the latching tang. Easier connection and disconnection for when the connector is used in positions of difficult access. <IMAGE> <IMAGE>

IPC 1-7
H01R 13/627

IPC 8 full level
H01R 13/627 (2006.01)

CPC (source: EP)
H01R 13/6275 (2013.01)

Cited by
US7918677B2; WO2013026850A1; EP2133958A1; EP1081800A3; RU2497247C2

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 0901194 A2 19990310; EP 0901194 A3 20001102; EP 0901194 B1 20040331; DE 69822738 D1 20040506; DE 69822738 T2 20040812; GB 2329080 A 19990310; GB 2329080 B 20020417; GB 9718894 D0 19971112

DOCDB simple family (application)
EP 98202645 A 19980806; DE 69822738 T 19980806; GB 9718894 A 19970908