

Title (en)  
ELECTRICAL CONNECTION ELEMENTS WITH INCREASED SEALING

Title (de)  
ELEKTRISCHE VERBINDUNG MIT VERSTÄRKTER ABDICHTUNG

Title (fr)  
ELEMENTS DE CONNEXION ELECTRIQUE A ETANCHEITE RENFORCEE

Publication  
**EP 1629572 B1 20071205 (FR)**

Application  
**EP 04767251 A 20040603**

Priority  
• FR 2004001383 W 20040603  
• FR 0306684 A 20030603

Abstract (en)  
[origin: WO2004109864A1] The invention relates to an outlet base or a plug-in connector with bayonet-type quick-acting lock system having its seal formed from a material with low resistance to deformation stress and comprising uncoupling securing means suitable for ensuring a holding cooperation of its flap on the body (11) thereof. The flap spring has such a torque as to move the securing means (45) in mutual engagement and then to hold the seal in compressed position between the flap and the body in association with the securing means. Similarly, a plug (14) has a bayonet-type quick-acting lock system, a flange (38) and a deformable flexible material seal (39) with low resistance to deformation stress, which is pressed against the flange and extends at least to a position where it is substantially flush with the flange edge (43).

IPC 8 full level  
**H01R 13/447** (2006.01); **H01R 13/52** (2006.01)

CPC (source: EP)  
**H01R 13/5213** (2013.01); **H01R 24/78** (2013.01); **H01R 2103/00** (2013.01)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**FR 2855917 A1 20041210; FR 2855917 B1 20070518**; AT E380406 T1 20071215; DE 602004010507 D1 20080117;  
DE 602004010507 T2 20081127; EP 1629572 A1 20060301; EP 1629572 B1 20071205; ES 2295917 T3 20080416; PL 1629572 T3 20080530;  
WO 2004109864 A1 20041216

DOCDB simple family (application)  
**FR 0306684 A 20030603**; AT 04767251 T 20040603; DE 602004010507 T 20040603; EP 04767251 A 20040603; ES 04767251 T 20040603;  
FR 2004001383 W 20040603; PL 04767251 T 20040603