

Title (en)  
SEALED CONNECTOR WITH AXIAL ASSEMBLY

Title (de)  
ABGEDICHTETER VERBINDER MIT AXIALER MONTAGE

Title (fr)  
CONNECTEUR ÉTANCHE À ASSEMBLAGE AXIAL

Publication  
**EP 3525295 A1 20190814 (EN)**

Application  
**EP 19155886 A 20190207**

Priority  
IT 201800002640 A 20180213

Abstract (en)  
Sealed, multipolar connector (1), comprising a male sub-assembly (2) comprising a plurality of pins (27), a female sub-assembly (3) comprising a plurality of sockets (37), wherein said pins are configured so that they engage said sockets when the connector is closed, characterized in that said male sub-assembly (2) comprises a co-molded element (21) in plastic and rubber; said female sub-assembly (3) comprises a co-molded element (31) in plastic and rubber, and a locking ring (38); said co-molded elements (21, 31) comprise clamping teeth (217, 317) configured to be engaged with each other when said elements (21, 31) are coupled, and in that said ring (38) is slidably fastened to said female element (31) so that, after a translation of said ring (38), said clamping teeth (317) of said female element can be radially widened so that respective clamping teeth (217) provided on the male connector are not engaged.

IPC 8 full level  
**H01R 13/52** (2006.01); **H01R 13/627** (2006.01); **H01R 13/629** (2006.01); **H01R 107/00** (2006.01)

CPC (source: EP)  
**H01R 13/5219** (2013.01); **H01R 13/6275** (2013.01); **H01R 13/62905** (2013.01); **H01R 2107/00** (2013.01)

Citation (applicant)  
• IT MI2008A001759 A  
• US 2015180167 A1 20150625 - HAAS EDWIN [DE], et al  
• US 2009264003 A1 20091022 - HERTZLER CHRISTOPHER [US], et al

Citation (search report)  
• [A] US 2010120282 A1 20100513 - WILLIAMS BRIAN [US], et al  
• [A] WO 2007085099 A1 20070802 - HUBER & SUHNER AG [CH], et al  
• [A] WO 2017178118 A1 20171019 - ROSENBERGER HOCHFREQUENZTECHNIK GMBH & CO KG [DE], et al  
• [AD] US 2015180167 A1 20150625 - HAAS EDWIN [DE], et al  
• [A] US 6464526 B1 20021015 - SEUFERT RALF [DE], et al

Cited by  
CN112072386A

Designated contracting state (EPC)  
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