

Title (en)
PLUG CONTACT PAIRING

Title (de)
STECKKONTAKT-PAARUNG

Title (fr)
APPARIEMENT DE CONTACT À FICHES

Publication
EP 2149176 A1 20100203 (DE)

Application
EP 08758021 A 20080506

Priority
• DE 2008000761 W 20080506
• DE 102007022600 A 20070512
• DE 102007022598 A 20070512

Abstract (en)
[origin: WO2008138303A1] A plug contact pairing comprises a plug pot (1) with contact pins (31), as well as a plug head (2) with contact circuits (32) for connection of electrical line ends (25, 26). A profiled ring (securing ring) is used to mount the plug head in an interlocking manner in the plug pot, is incorporated with a part of its cross section in a circumferential groove in the plug head and, during closure of the plug contact pairing, latches with the rest of its cross section into a groove on the internal circumference of the plug pot. By virtue of the shape and material of the securing ring and the slot shape, the plug head (2) can be pulled out of the plug pot (1) only with a tensile force which is greater than the limit value. In one development, the plug head (2) is mounted with an identical connection in the plug housing (3), in which case the mounting ring connection is designed in comparison to the securing ring connection such that the tensile force with which the plug head can be pulled out of the plug pot is less than that by means of which the plug head is held in the plug housing by the mounting ring connection.

IPC 8 full level
H01R 13/52 (2006.01); **H01R 13/56** (2006.01); **H01R 31/06** (2006.01)

CPC (source: EP)
H01R 13/5202 (2013.01); **H01R 13/5219** (2013.01); **H01R 13/56** (2013.01); **H01R 31/06** (2013.01); **H01R 13/62** (2013.01)

Citation (search report)
See references of WO 2008138303A1

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)
WO 2008138303 A1 20081120; AU 2008250785 A1 20081120; AU 2008250785 B2 20120112; DE 102008022397 A1 20081120; DE 112008001198 A5 20100128; EP 2149176 A1 20100203; EP 2149176 B1 20110216; PL 2149176 T3 20110729

DOCDB simple family (application)
DE 2008000761 W 20080506; AU 2008250785 A 20080506; DE 102008022397 A 20080506; DE 112008001198 T 20080506; EP 08758021 A 20080506; PL 08758021 T 20080506