

Title (en)

Female electric contact, connector assembly and manufacturing method

Title (de)

Elektrischer Buchsenkontakt, Steckeranordnung und Herstellungsverfahren

Title (fr)

Contact électrique femelle, ensemble connecteur et procédé de réalisation

Publication

**EP 2424047 B1 20130313 (FR)**

Application

**EP 11177337 A 20110811**

Priority

FR 1056810 A 20100827

Abstract (en)

[origin: EP2424047A1] The contact has a connection end (102) comprising non-stressed and stressed states in which the end provides straight and truncated longitudinal sections. An annular groove (107) is hollowed out from an external surface (106) of a wall (105) of the contact at the end for receiving an annular tightening ring (108). The groove has a truncated longitudinal section when the end is in the non-stressed state, so that diameter of front end of the groove is greater than that of rear end of the groove. The groove has a cross section when the end is in the stressed state. Independent claims are also included for the following: (1) a connector assembly, comprising a female electric contact (2) a method for producing a female electric contact.

IPC 8 full level

**H01R 13/18** (2006.01); **H01R 13/11** (2006.01)

CPC (source: EP US)

**H01R 13/111** (2013.01 - EP US); **H01R 13/18** (2013.01 - EP US); **H01R 13/533** (2013.01 - EP US); **Y10T 29/49117** (2015.01 - EP US)

Cited by

CN109047473A; EP3208892A1; FR3048136A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2424047 A1 20120229**; **EP 2424047 B1 20130313**; FR 2964260 A1 20120302; FR 2964260 B1 20120914; US 2012052750 A1 20120301; US 8317552 B2 20121127

DOCDB simple family (application)

**EP 11177337 A 20110811**; FR 1056810 A 20100827; US 201113217399 A 20110825