

Title (en)

Spring contact for an electric connector and connection

Title (de)

Federkontakt für eine elektrische Steckverbindung und Steckverbindung

Title (fr)

Contact de ressort pour un connecteur à fiche électrique et connexion à fiche

Publication

EP 2017922 A3 20100602 (DE)

Application

EP 08011823 A 20080701

Priority

DE 102007032992 A 20070716

Abstract (en)

[origin: EP2017922A2] The contact has two elastic spring-loaded contact members (10a, 10b) on one end (A) of the contact for receiving a counter contact (14), where the contact members are arranged opposite to one another. The counter contact is inserted in a plug-in direction (E) along a middle longitudinal axis (M) of the spring between both the contact members. One of the spring legs (16a, 16b) is engaged on an outer side of the contact members, where the outer side is turned away from the middle longitudinal axis. The spring legs press the contact members in a direction perpendicular to the middle longitudinal axis and exert a contact pressure on the counter contact. An independent claim is also included for a plug connector with a spring contact.

IPC 8 full level

H01R 13/11 (2006.01)

CPC (source: EP US)

H01R 12/707 (2013.01 - EP US); **H01R 12/724** (2013.01 - EP US); **H01R 12/727** (2013.01 - EP US); **H01R 13/113** (2013.01 - EP US); **H01R 13/187** (2013.01 - EP US)

Citation (search report)

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- [X] FR 1276672 A 19611124 - ALLIANCE TECH IND
- [X] DE 1487407 A1 19690116 - SIEMENS AG
- [YA] US 2006228937 A1 20061012 - EBINE NOBUHITO [JP], et al
- [A] US 2004145875 A1 20040729 - YU GORDON [TW], et al
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CN111564721A; EP3444905A1; CN110265815A; US11211734B2; WO2019034487A1

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)

EP 2017922 A2 20090121; **EP 2017922 A3 20100602**; **EP 2017922 B1 20120411**; AT E553517 T1 20120415; CN 101394037 A 20090325; DE 102007032992 A1 20090129; US 2009053941 A1 20090226; US 7780489 B2 20100824

DOCDB simple family (application)

EP 08011823 A 20080701; AT 08011823 T 20080701; CN 200810176960 A 20080716; DE 102007032992 A 20070716; US 21861808 A 20080716