

Title (en)
Electrical spring contact

Title (de)
Elektrischer Federkontakt

Title (fr)
Contact électrique à ressort

Publication
EP 0583590 B1 19971112 (DE)

Application
EP 93110682 A 19930705

Priority
DE 4227287 A 19920818

Abstract (en)
[origin: EP0583590A2] In the case of an electrical spring contact having an inner spring (which is formed by a contact spring arm base and contact spring arms) and having a box-shaped outer spring (which can be locked on the contact spring arm base of the inner spring and has an outer spring arm base and outer spring arms), in the case of which spring contact the outer spring has, at the insertion end, cuts which are vented in the form of a funnel and the inner and outer springs are formed by sheet-metal moulded parts, the outer spring having a bending slot which extends over the entire length of the same and it being possible to insert the spring contact in a chamber in a retaining housing and to lock it therein by means of retaining elements, for simple construction and more reliable, stable fixing capability of the same in the retaining housing, those side surfaces (15) of the outer spring (10) which extend between the two outer spring arms (14, 14') are provided in the axial edge regions over part of their lengths with constrictions (16), the bending slot (23) is laid in one of these side surfaces (15), it is possible to pivot outwards with respect to one another the outer spring sections (10', 10'') which extend parallel to the outer spring arms (14, 14') and it is possible for the outer spring (10) to be supported axially, by means of those boundary surfaces (17) of the constrictions (16) which approach the free ends, on attachments (20) which project into the chamber (18) of the retaining housing (19). <IMAGE>

IPC 1-7
H01R 13/15; **H01R 13/18**

IPC 8 full level
H01R 13/11 (2006.01); **H01R 13/15** (2006.01); **H01R 13/18** (2006.01); **H01R 13/42** (2006.01)

CPC (source: EP KR US)
H01R 13/15 (2013.01 - KR); **H01R 13/18** (2013.01 - EP US); **H01R 13/2421** (2013.01 - KR)

Cited by
US6305992B1; EP0926770A1; FR2772522A1; EP0674358A1; FR2717624A1; US5573434A; CN1038286C

Designated contracting state (EPC)
AT DE FR IT

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