

Title (en)
One-piece contact spring

Title (de)
Einstückige Kontaktfeder

Title (fr)
Ressort de contact d'une seule piece

Publication
EP 0859431 A3 19990506 (DE)

Application
EP 97121864 A 19971211

Priority
DE 19705509 A 19970213

Abstract (en)
[origin: EP0859431A2] A single-piece contact spring comprising a box-type contact part (1) on which is formed a base wall (11) and a cover wall (15). On the plug-in side, a spring arm (25;27) is bent back into the inner cavity of the contact part, in which the spring arms (25,27) mutually converge and are provided with springy contact crests (31) on their ends. Each of the two spring arms (25,27) is supported at a support device (29) in order to relieve the bend of the respective spring arm (25,27), the support device (29) is displaced backwards into the inner cavity of the box, from the front end of the bend running from the plug-in side, by approx. two-to-five-times the thickness of the base wall (11) or cover wall (15).

IPC 1-7
H01R 13/115

IPC 8 full level
H01R 13/11 (2006.01); **H01R 13/115** (2006.01); **H01R 4/18** (2006.01)

CPC (source: EP US)
H01R 13/113 (2013.01 - EP US); **H01R 4/185** (2013.01 - EP US)

Citation (search report)

- [A] US 5350321 A 19940927 - TAKENOUCHI KENJI [JP]
- [A] US 3713080 A 19730123 - KENNEDY R
- [AD] US 4152042 A 19790501 - OSTAPOVITCH HAROLD J [CA]

Cited by
US2021399386A1; US8827756B2; WO2011067632A1; EP2719022B1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0859431 A2 19980819; EP 0859431 A3 19990506; EP 0859431 B1 20010321; DE 19705509 A1 19980820; DE 19705509 C2 19990429; DE 59703185 D1 20010426; JP H10233251 A 19980902; KR 100503824 B1 20051026; KR 19980071317 A 19981026; US 5941741 A 19990824

DOCDB simple family (application)
EP 97121864 A 19971211; DE 19705509 A 19970213; DE 59703185 T 19971211; JP 2820798 A 19980210; KR 19980004271 A 19980213; US 2372198 A 19980213