Title (en)
BOX-LIKE FORMED SPRING

Publication
EP 0196367 B1 19900627 (DE)

Application
EP 85115392 A 19851204

Priority
- DE 3510865 A 19850326
- DE 8508964 U 19850326

Abstract (en)
1. A spring plug in miniature form with a conducting wire connecting member (3) and a contact member in the form of a flat fork spring (1), wherein the flat fork spring (1) has a U-shaped spring arm base (4) with a floor (5) and two side arms (6), wherein a forwardly projecting spring arm (7) is attached to each side wall (6) and these spring arms (7) are bent towards each other starting from the side walls (6) up to a line of contact (8) and diverge again from the contact line (8) to form a locating funnel (9), characterised in that a box-shaped upper spring (2) is mounted in an interlocked way on the flat fork spring (1), wherein the spring arm (7) of the flat fork spring (1) is made broader than the height of the side walls (6) so that steps (10) are formed in the transitional region, and the upper spring (2) has side wall projections (17a) formed by recesses (18) which are bowed away inwards towards the longitudinal axis (19) and engage one of the steps (10) of the flat fork spring (1), and wherein the flat fork spring (1) has forwardly projecting and outwardly bowed tongues (12) which are cut out in the floor (5) and project from the steps (10) in the direction of the conductor connecting member (3) and abut against a rear edge (17c) of upper spring (2) with their front edges (12a).

IPC 1-7
H01R 13/18

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

CPC (source: EP)
H01R 13/18 (2013.01); H01R 13/112 (2013.01)

Citation (examination)
DE 3014614 A1 19811112 - BUNKER RAMO [US]

Cited by
DE8914952U1; DE3817803A1; CN108365375A; DE4203379A1; US5971816A; US5240439A; US5338229A; US5246390A; EP0393058B1

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