

Title (en)  
CONTACT SPRING FOR FLAT CABLE CONNECTION

Publication  
**EP 0040783 B1 19840815 (DE)**

Application  
**EP 81103803 A 19810518**

Priority  
DE 3019841 A 19800523

Abstract (en)  
[origin: EP0040783A1] 1. A contact spring for a flat cable connection comprising a U-shaped base part (2) and two contact spring arms (3a, 3b) which project at right angles from the arms of the U (30, 31) of the base part and together form a contact spring contact (4) for a contact pin or contact blade, and which can be inserted into a channel-like cavity of a contact spring strip with the base part being arranged transversely to the course of the cavity with the contact spring arms leading ; and having a pair of contact blades (16) which project from one of the two arms of the U of the base part in opposition to the course of the contact spring arms and which protrude from the contact spring strip and form a cutting clamping contact for a wire-form conductor, characterised in that the arms of the U (30, 31) of the base part (2) are so dimensioned as to have different lengths ; that the contact spring arm which protrudes from the longer arm (30) of the U is formed as a rigid plate (3a) having a width which corresponds to the length of the arm (30) of the U ; and that the springy contact spring arm (3b) which projects from the shorter arm (31) of the U has a width which is less than half the width of the rigid plate (3a) ; that, furthermore, the springy contact spring arm (3b) is arranged approximately centrally with respect to the rigid plate (3a), and at its free end (32) is provided with an attachment (34) which is directed away from the free end (33) of the arm of the U (30, 31), but set back in relation to the edge of the rigid plate (3a), and which widens the contact spring arm (3b) at one side ; and that at its free end (36), the rigid plate (3a) has an incision (37) separating a flat part-region (38), which essentially lies outside the projection of the springy contact spring arm (3b) on to the rigid plate (3a), and another part-region (39) which cooperates with the springy contact spring arm (3b) and is bent in towards the latter at its end.

IPC 1-7  
**H01R 23/66**; **H01R 4/24**; **H01R 13/11**

IPC 8 full level  
**H01R 4/24** (2006.01); **H01R 13/11** (2006.01); **H01R 13/115** (2006.01); **H01R 13/422** (2006.01)

CPC (source: EP)  
**H01R 13/113** (2013.01); **H01R 4/242** (2013.01); **H01R 12/77** (2013.01); **H01R 13/422** (2013.01)

Cited by  
EP0738026A1; GB2213655A; EP1160924A1; FR2809872A1; EP0748001A1; CN1084061C; US5904581A; US6135781A; US6409554B2

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