

Title (en)  
CONTACT ELEMENT FOR ELECTRICAL PLUGGABLE CONNECTORS

Publication  
**EP 0245795 A3 19900131 (DE)**

Application  
**EP 87106708 A 19870508**

Priority  
DE 3615915 A 19860512

Abstract (en)  
[origin: US4753616A] The contact element for an electrical plug connector has a plurality of contact springs disposed side by side, each such spring being a segment of a contact spring wire, one end of which is attached to a bearing piece. Each such spring has, in its middle region, a contact locus which provides contact with a cooperating contact piece. In order to substantially simplify the structure from a manufacturing engineering standpoint, a single structural unit is formed from a first metal strip which forms the bearing piece, a plurality of spacing members connected to the bearing piece and extending parallel to each other, and a second metal strip parallel to the first, which second strip forms the support piece. In the neighborhood of the bearing piece and support piece, the spacing members undergo a bending away from the common plane of the bearing piece and the support piece and toward the front side of the contact element, such that the middle extent of the spacing members is disposed such that any two given successive spacing members laterally define a flat chamber. In this chamber a plurality of parallel contact springs are disposed side by side.

IPC 1-7  
**H01R 13/187**; **H01R 13/17**; **H01R 43/16**

IPC 8 full level  
**H01R 13/17** (2006.01); **H01R 13/187** (2006.01); **H01R 43/16** (2006.01)

CPC (source: EP US)  
**H01R 13/17** (2013.01 - EP US); **H01R 13/187** (2013.01 - EP US)

Citation (search report)  
• [A] GB 2013421 A 19790808 - BONHOMME F R  
• [A] DE 578727 C 19330616 - CHARLES REGINALD COOK  
• [A] US 3086190 A 19630416 - RUDOLF NEIDECKER, et al  
• [A] GB 2157099 A 19851016 - DUNKEL OTTO GMBH

Cited by  
FR2754639A1; EP0893850A3

Designated contracting state (EPC)  
AT BE CH DE ES FR GB GR IT LI LU NL SE

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