

Title (en)

Socket-type terminal with minimum insertion force characteristics and a connector embodying such a terminal.

Title (de)

Buchsen-Anschlusskontakt mit minimaler nötiger Einsteckkraft und ein Steckverbinder, der solch einen Anschlusskontakt enthält.

Title (fr)

Douille de jonction à force d'insertion minimum et un connecteur contenant celle-ci.

Publication

EP 0157471 A1 19851009 (EN)

Application

EP 85300596 A 19850129

Priority

CA 449391 A 19840312

Abstract (en)

A connector has socket-type terminals (20), each terminal having a main body part (22) from the front end of which two arms (24) project, as cantilevers. The inner part (25) of each arm (24) is curved, generally arcuate, and the outer part (26) of each arm extends generally straight and inclined away from each other. A contact position (27) is formed at the junction between the inner and outer part. Such terminals are housed in slots (40) in a plug and a receptacle (11) has pins (21) which are inserted into the terminals (20). Cam surfaces (51-55) on the receptacle (11) engage with the free ends (34) of the arms after partial insertion of the pins (21) and press the arms (24) together, pushing the contact positions (27) into contact with the pins (21). A low insertion force is obtained.

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H01R 13/193; **H01R 23/68**

IPC 8 full level

H01R 24/00 (2006.01); **H01R 13/193** (2006.01)

CPC (source: EP)

H01R 13/193 (2013.01); **H01R 12/82** (2013.01)

Citation (search report)

- [A] WO 8301867 A1 19830526 - NCR CO [US]
- [A] EP 0083862 A2 19830720 - BURROUGHS CORP [US]
- [A] DE 2644612 B2 19810129

Cited by

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