

Title (en)

Improvements in and relating to high frequency electrical connectors

Title (de)

Verbesserungen an und im Zusammenhang mit elektrischen Hochfrequenzsteckverbindern

Title (fr)

Améliorations dans et concernant des connecteurs électriques haute fréquence

Publication

**EP 1841018 A2 20071003 (EN)**

Application

**EP 07251457 A 20070402**

Priority

GB 0606791 A 20060401

Abstract (en)

A high frequency electrical connector (1) comprises a socket (2) and a plug (3). The plug is insertable into the socket in a first direction (1D), the socket and plug each having multiple electrical contacts (25, 26, 35) which are arranged to electrically interconnect the plug and socket. The socket has a base (4) for fixedly mounting a fixed end (42, 45, 46) of the contacts. The contacts have contact areas (55) arranged for electrically interconnecting to corresponding plug contacts, the contact areas being aligned so as to be parallel in a first dimension (1M) with the first direction (1D), and having a resiling portion (66) in-between the contact areas and the fixed ends (46), the socket contacts are formed in several different shapes (1S, 2S, 3S, 4S), wherein each shape has an at least partly arcuate contact area (81 to 88) and wherein a free end (76) of each contact is enclosed by the base (4).

IPC 8 full level

**H01R 24/00** (2006.01)

CPC (source: EP GB)

**H01R 13/6467** (2013.01 - EP); **H01R 24/00** (2013.01 - GB); **H01R 24/64** (2013.01 - EP)

Citation (applicant)

- GB 2393858 A 20040407 - BRAND REX LTD [GB]
- US 2002132532 A1 20020919 - HENNEBERGER ROY L [US]

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Designated extension state (EPC)

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