

Title (en)
SOCKET FOR THE CONNECTION OF FLAT CONTACT PINS

Publication
EP 0508484 A3 19930414 (DE)

Application
EP 92106356 A 19920413

Priority
DE 4112035 A 19910412

Abstract (en)
[origin: EP0508484A2] The socket is used for the connection of flat contact pins as are used in plug connecting devices for test purposes, especially in car construction. The socket (1), which allows frequent plug-in cycles with low insertion forces, comprises a contact spring support having two supporting walls (2, 3) which are essentially parallel to one another. Said walls (2, 3) are fitted, preferably on both inner sides, in each case with one row of contact springs (4) which are domed in such a manner that a gap (5) is formed by the domes which point towards one another, which gap (5) expands elastically when a flat contact pin is inserted, thus making contact. The ends (6, 7) of each contact spring (4) are bent around towards one another on the outside of the associated supporting wall (2, 3). The two supporting walls (2, 3) are connected to one another via a lateral wall (12) which determines the distance between them. A bearing wall (14) which bounds the insertion gap (5) for the flat contact pins is provided on the edges (13) of the supporting walls (2, 3) which are placed on the lateral wall (12). <IMAGE>

IPC 1-7
H01R 13/115

IPC 8 full level
H01R 13/04 (2006.01); **H01R 13/10** (2006.01); **H01R 13/11** (2006.01); **H01R 13/115** (2006.01); **H01R 13/187** (2006.01); **H01R 43/16** (2006.01)

CPC (source: EP KR US)
H01R 13/10 (2013.01 - KR); **H01R 13/113** (2013.01 - EP US); **H01R 13/187** (2013.01 - EP US); **H01R 43/16** (2013.01 - EP US)

Citation (search report)
• [X] DE 1033751 B 19580710 - CALOR EMAG ELEKTRIZITAETS AG
• [X] DE 3906625 C1 19900118 - KOSTAL LEOPOLD GMBH & CO KG [DE]
• [A] US 4472017 A 19840918 - SIAN SUCHA S [US]
• [A] DE 3441134 A1 19860515 - CANNON ELECTRIC GMBH [DE]

Cited by
US5941740A; WO9603786A1

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EP 0508484 A2 19921014; EP 0508484 A3 19930414; EP 0508484 B1 19951129; AT E130966 T1 19951215; AT E155931 T1 19970815; DE 4112035 A1 19921015; DE 59204461 D1 19960111; DE 59208732 D1 19970828; DE 9116557 U1 19930121; DK 0627784 T3 19971006; EP 0627784 A2 19941207; EP 0627784 A3 19950913; EP 0627784 B1 19970723; JP 2706596 B2 19980128; JP H05114431 A 19930507; KR 920020782 A 19921121; US 5199909 A 19930406

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