

Title (en)
Electrical connector

Title (de)
Elektrischer Verbinder

Title (fr)
Connecteur électrique

Publication
EP 1571733 B1 20070328 (EN)

Application
EP 05002013 A 20050201

Priority
US 79234704 A 20040303

Abstract (en)
[origin: EP1571733A1] An electrical connector (100) for connecting contact areas on two circuit carrying elements (402,406) is disclosed. The electrical connector includes a male housing (102) including a projection (120) and female housing (104) including a receptacle (200) configured to mate with the projection. Protectively located in apertures disposed through the projection is a plurality of twist pins (110) while extending into the receptacle is a plurality of sockets (210). When the projection and receptacle are mated, the twist pins and sockets connect together. A contact face (162,242) is also included on each of the male and female housings while protruding through each contact face are secondary contacts in electrical communication with either the twist pins or sockets of the respective housing. For connecting the contact area, the contact faces of the two housings are attached to the two circuit carrying elements so that the secondary contacts connect with the contact area and the projection is then mated with the receptacle. <IMAGE>

IPC 8 full level
H01R 13/33 (2006.01); **H01R 12/24** (2006.01); **H01R 13/17** (2006.01); **H01R 13/05** (2006.01)

CPC (source: EP)
H01R 12/778 (2013.01); **H01R 12/79** (2013.01); **H01R 12/714** (2013.01); **H01R 13/052** (2013.01); **H01R 13/17** (2013.01); **H01R 13/33** (2013.01)

Citation (examination)
• US 2002013079 B1
• DE 10124610 A1 20021128 - STOCKO CONTACT GMBH & CO KG [DE]
• US 6264500 B1 20010724 - KAWABE EIJI [JP]

Cited by
EP2856564A4; CN104505618A; CN110190430A; GB2497229A; GB2472294B; GB2497229B; WO2013180775A1; WO2024065104A1

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Designated extension state (EPC)
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