

Title (en)

Electrical plug connector having a casing and a heavy current contact

Title (de)

Elektrische Steckverbindung mit einem Gehäuse und einem Hochstromkontakt

Title (fr)

Connecteur électrique à fiche ayant un boîtier et un contact à courant fort

Publication

EP 1429423 A3 20060315 (DE)

Application

EP 03028036 A 20031206

Priority

DE 10257759 A 20021210

Abstract (en)

[origin: EP1429423A2] The connector has an insulating housing (2) with an opening (16) for a high-current socket (3) with a contact section comprising multiple contact pieces (7). A fixing section (6) for fixing the socket to a circuit board has a guide projection (9) and guide groove (10). The thickness of the fixing section is larger than that of an intermediate section and the contact section. An abutment surface (11) is formed on the housing. Independent claims are included for a housing and for a high-current socket.

IPC 8 full level

H01R 13/115 (2006.01); **H01R 13/11** (2006.01); **H01R 13/428** (2006.01); **H01R 13/50** (2006.01); **H01R 13/432** (2006.01)

CPC (source: EP US)

H01R 13/111 (2013.01 - EP US); **H01R 13/428** (2013.01 - EP US); **H01R 13/50** (2013.01 - EP US); **H01R 12/7052** (2013.01 - EP US); **H01R 12/707** (2013.01 - EP US); **H01R 12/716** (2013.01 - EP US); **H01R 12/724** (2013.01 - EP US); **H01R 13/432** (2013.01 - EP US)

Citation (search report)

- [Y] DE 2227204 A1 19730118 - SHINAGAWA AUTOMOTIVE ELECTRIC
- [Y] EP 0915536 A2 19990512 - LABINAL COMPONENTS & SYSTEMS [US]
- [A] GB 1463528 A 19770202 - SHINAGAWA AUTOMOTIVE ELECTRIC

Cited by

CN110350342A; EP2146400A1; FR2934092A1; CN109428226A; CN110350354A; US8029325B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1429423 A2 20040616; **EP 1429423 A3 20060315**; **EP 1429423 B1 20080206**; DE 10257759 A1 20040624; DE 50309123 D1 20080320; US 2004171314 A1 20040902; US 2005106949 A1 20050519; US 6979235 B2 20051227; US 7040936 B2 20060509

DOCDB simple family (application)

EP 03028036 A 20031206; DE 10257759 A 20021210; DE 50309123 T 20031206; US 2116304 A 20041223; US 73212203 A 20031210