

Title (en)
Electrical connector assemblies

Title (de)
Elektrische Steckverbinderzusammenbauten

Title (fr)
Assemblages de connecteurs électriques

Publication
EP 1107393 A2 20010613 (EN)

Application
EP 00307956 A 20000913

Priority
GB 9923989 A 19991012

Abstract (en)
An electrical busbar terminal assembly has several hyperboloid spring sockets 21 to 32 mounted on a metal bar 20 spaced along its length. The sockets 21 to 32 extend along respective bores 13 of an insulating lower body 10 and the bar 20 extends along the bottom of the body being covered by a cover plate 12. The two end sockets 21 and 32 are larger than the others 22 to 31 and receive input power contacts 72 and 83 so that power is distributed from these sockets via the bar 20 to contacts 73 to 82 inserted in the other sockets. Catches 4 with inturned teeth 41 retain the contacts 72 to 83 after insertion. The catches 4 are located in bores in an upper closure 11 bonded to the lower body 10 and are trapped between the lower body and a step 44 in the upper closure. The catches 4 are electrically isolated from the sockets 21 to 32 until after insertion of a contact 72 to 83. <IMAGE>

IPC 1-7
H01R 25/16; **H01R 13/187**

IPC 8 full level
H01R 13/426 (2006.01); **H01R 25/16** (2006.01)

CPC (source: EP)
H01R 13/426 (2013.01); **H01R 25/168** (2013.01); **H01R 12/7088** (2013.01)

Cited by
GB2356743B

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
GB 0022661 D0 20001101; **GB 2355346 A 20010418**; CA 2322351 A1 20010412; EP 1107393 A2 20010613; EP 1107393 A3 20030528; GB 9923989 D0 19991215

DOCDB simple family (application)
GB 0022661 A 20000913; CA 2322351 A 20001005; EP 00307956 A 20000913; GB 9923989 A 19991012