

Title (en)  
SHIELDED AND KEYED ELECTRICAL CONNECTOR ASSEMBLY

Publication  
**EP 0231539 B1 19920701 (EN)**

Application  
**EP 86202144 A 19830906**

Priority  
• US 42076282 A 19820921  
• US 42348682 A 19820924

Abstract (en)  
[origin: EP0231539A1] Electrical connector assembly (2) comprises a plug (4) and a receptacle (6). A keying system (78,84) is provided which permits insertion of the plug (4) into the opening (52) of the receptacle (6) but which precludes insertion of a similar, but more narrow, plug (4) into the opening (52). The keying system (78,84) is advantageous when a series or family of connector assemblies (2) are produced with the different assemblies of the family being generally similar but having increasing numbers of terminals (62) and therefore increasing width. The plug (4) and receptacle (6) are provided with sheet metal shielding enclosures (98, 100), the plug shield (98) overlapping forward portions and extending to the rear of the plug, the forward portions having an unshielded section, the receptacle shield (100) being on the mating end and extending into the plug-receiving opening (52). The keyway on the plug being in the unshielded section and the key in the receptacle extending into the plug receiving opening (52) and spaced from the receptacle shield (100).

IPC 1-7  
**H01R 13/64; H01R 13/658**

IPC 8 full level  
**H01R 13/64** (2006.01); **H01R 13/658** (2011.01)

CPC (source: EP)  
**H01R 13/64** (2013.01); **H01R 13/6596** (2013.01); **H01R 24/62** (2013.01); **H01R 2201/16** (2013.01)

Citation (examination)  
DE 616550 C 19350731 - SIEMENS AG

Cited by  
GB2227131A; GB2230151A; EP1821371A3; WO9411928A1; WO2007093995A1

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**EP 0231539 A1 19870812; EP 0231539 B1 19920701**; BR 8305092 A 19840508; CA 1204480 A 19860513; DE 3382586 D1 19920806; DE 3382586 T2 19930218; EP 0108477 A1 19840516; ES 282314 U 19851216; ES 282314 Y 19860716; MX 155535 A 19880324

DOCDB simple family (application)  
**EP 86202144 A 19830906**; BR 8305092 A 19830919; CA 437059 A 19830920; DE 3382586 T 19830906; EP 83305151 A 19830906; ES 282314 U 19830920; MX 19877783 A 19830921