

Title (en)
Electrical connector keying system

Title (de)
Verschlüsselungssystem für elektrische Verbinder

Title (fr)
Système de détrompage pour connecteur électrique

Publication
EP 0836246 A1 19980415 (EN)

Application
EP 96116390 A 19961012

Priority
EP 96116390 A 19961012

Abstract (en)
A keying system for an electrical connector arrangement includes a connector plug (18) having a housing (88) with a plurality of keying grooves (90) on at least one side thereof. A face plate (86) is mounted on the housing and includes at least one keying notch (92) in alignment with a respective one of the keying grooves (90). The other of the keying grooves are blocked by the face plate (86). A receptacle (26) is provided for receiving the connector plug (18). The receptacle includes a keying protrusion (48) for extending into the keying notch (92) and the respective one of the keying grooves (90). Therefore, the face plate (86) can be interchanged without changing the housing (88) to accommodate different arrays of keying protrusions (48) on the receptacle.

IPC 1-7
H01R 13/64

IPC 8 full level
H01R 12/50 (2011.01); **H01R 13/64** (2006.01); **H01R 12/70** (2011.01)

CPC (source: EP)
H01R 13/64 (2013.01); **H01R 13/658** (2013.01); **H01R 12/7005** (2013.01)

Citation (search report)

- [XA] EP 0624928 A1 19941117 - MOLEX INC [US]
- [XA] EP 0595304 A2 19940504 - SIEMENS AG [DE]
- [XA] EP 0570181 A2 19931118 - WHITAKER CORP [US]
- [A] FR 2489609 A1 19820305 - LB AIR [FR]
- [A] US 4832625 A 19890523 - PUERNER DEAN A [US]

Cited by
US11128092B2; US10938157B2; US10148046B2; US10418773B2; US10424892B2; US10554007B2

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
EP 0836246 A1 19980415; EP 0836246 B1 20020717; CN 1114249 C 20030709; CN 1187702 A 19980715; DE 69622408 D1 20020822; DE 69622408 T2 20030306; JP 3057562 B2 20000626; JP H10149858 A 19980602; KR 100291296 B1 20010601; KR 19980032755 A 19980725; TW 392956 U 20000601

DOCDB simple family (application)
EP 96116390 A 19961012; CN 97126221 A 19971011; DE 69622408 T 19961012; JP 31416797 A 19971009; KR 19970052200 A 19971011; TW 87212307 U 19971009