

Title (en)

Automotive cellular phone connector assembly

Title (de)

Steckverbinderzusammenbau für Mobiltelefon im Fahrzeugen

Title (fr)

Dispositif de connection pour un téléphone cellulaire

Publication

EP 0967694 A3 20000628 (EN)

Application

EP 99303913 A 19990520

Priority

US 8732698 A 19980529

Abstract (en)

[origin: EP0967694A2] An electrical connector assembly (20) for use in connecting portable electronic devices, such as cellular telephones, to the electrical system of a motor vehicle. The electrical connector assembly (20) includes a plug connector (30) that can be attached to a cord for connection to the portable electronic device. A mating receptacle connector (60) is permanently mounted in the motor vehicle and is attached to an automotive wiring harness. The receptacle connector (60) includes a terminal position assurance member (110) that forms a front cover of the receptacle connector (60) when properly positioned. Primary terminal latches securing receptacle terminals (62) in a housing (74) of the receptacle connector (60) are exposed on the top and bottom surfaces of the housing (74) and prevent full seating of the assurance member (110) on the housing (74) when any receptacle terminals are not correctly latched into the housing (74). Terminals (62) can therefore be positioned on the relatively close centerlines characteristic of electrical connectors used with portable electronic devices. <IMAGE>

IPC 1-7

H01R 27/02; **H01R 13/436**

IPC 8 full level

H01R 13/436 (2006.01); **H01R 27/02** (2006.01); **H01R 13/422** (2006.01); **H01R 13/658** (2011.01)

CPC (source: EP)

H01R 13/4365 (2013.01); **H01R 27/02** (2013.01); **H01R 13/4223** (2013.01); **H01R 13/6596** (2013.01)

Citation (search report)

- [Y] EP 0772257 A1 19970507 - MOLEX INC [US]
- [Y] GB 2262664 A 19930623 - WHITAKER CORP [US]
- [A] EP 0827236 A1 19980304 - SUMITOMO WIRING SYSTEMS [JP]
- [A] US 5071369 A 19911210 - DENLINGER KEITH R [US], et al
- [A] FR 2702889 A1 19940923 - CINCH CONNECTEURS SA [FR]

Cited by

CN101877445A; FR2875957A1; KR100895547B1; WO2006034865A1; EP2124298A1; US7785146B2

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)

EP 0967694 A2 19991229; **EP 0967694 A3 20000628**

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EP 99303913 A 19990520