

Title (en)
Modular connector

Title (de)
Modularer Steckverbinder

Title (fr)
Connecteur modulaire

Publication
EP 1026788 A1 20000809 (EN)

Application
EP 99102233 A 19990204

Priority
EP 99102233 A 19990204

Abstract (en)

A modular connector (10) includes a set of pairs of modular inserts (16) configured to mate with each other to convey electrical signals or power in a structure such as a vehicle. Each pair of modular inserts (16) are coupled to their respective wiring lines and supported by their respective structures. One of each pair of modular inserts (16) is supported by a receptacle shell (22), while the other is supported by a plug shell (26). The modular inserts (16) are characterized with removable characterized buttons (130) for cooperation respectively with characterizations slots (90) provided in the receptacle shell (22) and plug shell (26). The characterization scheme ensures that incorrect modular inserts are not loaded onto the wrong position of the receptacle shell and plug shell. The shields of the wiring lines are grounded to grounding contacts provided in the corresponding modular inserts (16). The receptacle shell is coupled to a grounding shell supported by the vehicle with the corresponding grounding contacts contacting the grounding shell for grounding. The plug shell (22) is coupled to the receptacle shell (26) to place the respective contacts (184,186) in the pairs of modular inserts (16) in mating connections to convey signals or power. The grounding contacts of the modular inserts (16) in the plug shell (26) contact the grounding shell for grounding. The connector is easy and quick to assemble without the need for tools and with savings in assembly time. <IMAGE>

IPC 1-7
H01R 13/518; **H01R 13/64**

IPC 8 full level
H01R 13/518 (2006.01); **H01R 13/64** (2006.01)

CPC (source: EP)
H01R 13/518 (2013.01); **H01R 13/64** (2013.01)

Citation (search report)

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