

Title (en)  
A center jackscrew type connector system

Title (de)  
Verbindersystem vom Typ zentrale Steckbuchseschraube

Title (fr)  
Système de connecteur de type centre jack vis

Publication  
**EP 0709926 A1 19960501 (EN)**

Application  
**EP 95307674 A 19951027**

Priority  
US 33125894 A 19941028

Abstract (en)  
In a central jackscrew type connector system (22), a plastic module housing (28) is mated with a plastic receptacle housing, by means of a bolt (12). A metal insert, having an internally threaded metal blind axial bore is provided within the module housing (28), such that when the bolt (12) is torqued into the blind axial bore (31), a tip (73) on a threaded portion (71) of the bolt (12) engages a bottom (32) of the blind axial bore (31) prior to a flange (21) on the bolt (12) engaging the receptacle housing (50), thereby not applying the torque load to the plastic components. A crush rib is provided on the receptacle housing to bear a load applied by the flange (21) on the bolt (12) and to create a required compressive force keeping the module housing (28) and the receptacle housing snugly together. By torquing the bolt (12) to a predetermined value, the metal insert (29) is stretched relative to the bolt (12), and internal threads are deformed, thereby creating and storing strain energy. A portion of stored strain energy is recoverable, thereby providing a locking force keeping the bolt (12) within the metal insert (29). <IMAGE> <IMAGE>

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**H01R 13/621**

IPC 8 full level  
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**H01R 13/193** (2013.01 - KR); **H01R 13/514** (2013.01 - KR); **H01R 13/621** (2013.01 - KR); **H01R 13/6215** (2013.01 - EP)

Citation (search report)  
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• [A] EP 0550334 A1 19930707 - LABINAL SA [FR]  
• [A] US 5271689 A 19931221 - ISHII TAKASHI [JP], et al  
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