

Title (en)  
Male connector with retaining element

Title (de)  
Stecker mit Halteelement

Title (fr)  
Connecteur à fiche ayant un élément de retenue

Publication  
**EP 1411596 A3 20060628 (DE)**

Application  
**EP 03016267 A 20030718**

Priority  
DE 10248893 A 20021018

Abstract (en)  
[origin: EP1411596A2] A plug casing (PC) (14) has a flexible locking arm (FLA) (21) with a locking link (23). A plug has a slider bar (SB) (29) in a limited but adjustable on-axis position in the PC. In a locking position, the plug prevents the FLA from any excursion and releases it in any different position. Compression springs (27) supported on the PC and the SB cause the SB to return to its locking position.

IPC 8 full level  
**H01R 13/629** (2006.01); **H01R 13/635** (2006.01); **H01R 13/627** (2006.01); **H01R 13/64** (2006.01); **H01R 13/641** (2006.01)

CPC (source: EP US)  
**H01R 13/6272** (2013.01 - EP US); **H01R 13/641** (2013.01 - EP US)

Citation (search report)  
• [A] US 6106321 A 20000822 - YOSHIDA HARUKI [JP], et al  
• [DA] EP 1089393 A1 20010404 - SUMITOMO WIRING SYSTEMS [JP]

Cited by  
CN108879165A; CN106099538A; CN108879164A; CN112970339A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1411596 A2 20040421**; **EP 1411596 A3 20060628**; **EP 1411596 B1 20080910**; AT E408251 T1 20080915; DE 10248893 B3 20040429; DE 10248893 B8 20040902; DE 50310466 D1 20081023; ES 2312693 T3 20090301; JP 2004200147 A 20040715; JP 3983214 B2 20070926; US 2004082216 A1 20040429; US 6843676 B2 20050118

DOCDB simple family (application)  
**EP 03016267 A 20030718**; AT 03016267 T 20030718; DE 10248893 A 20021018; DE 50310466 T 20030718; ES 03016267 T 20030718; JP 2003354077 A 20031014; US 65617703 A 20030908