

Title (en)
Plug connector for connecting to a socket

Title (de)
Stecker zum Verbinden mit einer Steckbuchse

Title (fr)
Connecteur à fiche pour la connexion avec une prise

Publication
EP 1411597 A3 20060628 (DE)

Application
EP 03016268 A 20030718

Priority
DE 10248892 A 20021018

Abstract (en)
[origin: EP1411597A2] A plug casing (PC) (14) has a flexible locking arm (FLA) (22) with a locking link (23). A plug has a slider bar (SB) 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 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 13/639** (2006.01); **H01R 13/627** (2006.01); **H01R 13/64** (2006.01); **H01R 13/641** (2006.01)

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

Citation (search report)

- [A] US 6106321 A 20000822 - YOSHIDA HARUKI [JP], et al
- [A] US 2002031929 A1 20020314 - TORII CHIEKO [JP]
- [DA] EP 1089393 A1 20010404 - SUMITOMO WIRING SYSTEMS [JP]

Cited by
CN111878654A; CN111786089A; EP1708310A1; CN110571580A; EP4125163A1; US11876324B2

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 1411597 A2 20040421; **EP 1411597 A3 20060628**; **EP 1411597 B1 20080910**; AT E408252 T1 20080915; DE 10248892 B3 20040715; DE 50310467 D1 20081023; ES 2312694 T3 20090301; JP 2004139985 A 20040513; JP 3861088 B2 20061220

DOCDB simple family (application)
EP 03016268 A 20030718; AT 03016268 T 20030718; DE 10248892 A 20021018; DE 50310467 T 20030718; ES 03016268 T 20030718; JP 2003354078 A 20031014