

Title (en)

Lockable electrical plug connector

Title (de)

Verriegelbarer elektrischer Steckverbinder

Title (fr)

Prise électrique verrouillable

Publication

EP 0999610 B1 20040114 (DE)

Application

EP 99120511 A 19991015

Priority

DE 19850521 A 19981103

Abstract (en)

[origin: EP0999610A2] The connector has legs formed from a freely projecting spring- wire whose free end lies on a guide receptacle, and moves along the guide receptacle when a leg is deflected when a connection is created by deflecting parts (1,15). The guide receptacle comprises a first section (19) which lies parallel to the displacement direction of the parts (1,15), and a connecting section (20) with a wedge taper directed outwards.

IPC 1-7

H01R 12/02; **H01R 13/629**; **H01R 4/48**; **H01R 13/627**

IPC 8 full level

H01R 4/48 (2006.01); **H01R 12/50** (2011.01); **H01R 13/627** (2006.01); **H01R 13/629** (2006.01); **H01R 13/641** (2006.01); **H01R 13/64** (2006.01)

CPC (source: EP US)

H01R 13/6275 (2013.01 - EP US); **H01R 13/641** (2013.01 - EP US); **H01R 13/64** (2013.01 - EP US)

Cited by

CN105058279A; CN108352647A; US2018309227A1; US10389060B2; WO2017072132A1

Designated contracting state (EPC)

AT DE ES FR GB IT

DOCDB simple family (publication)

EP 0999610 A2 20000510; **EP 0999610 A3 20020320**; **EP 0999610 B1 20040114**; AT E257981 T1 20040115; DE 19850521 C1 20010517; DE 59908297 D1 20040219; ES 2214791 T3 20040916; US 6142799 A 20001107

DOCDB simple family (application)

EP 99120511 A 19991015; AT 99120511 T 19991015; DE 19850521 A 19981103; DE 59908297 T 19991015; ES 99120511 T 19991015; US 43248199 A 19991101