

Title (en)
Locking lever mechanism for connector

Title (de)
Verriegelungshebelmechanismus für Verbinder

Title (fr)
Levier de verrouillage pour connecteur

Publication
EP 1729376 A3 20071003 (FR)

Application
EP 06290728 A 20060505

Priority
FR 0505505 A 20050531

Abstract (en)
[origin: EP1729376A2] The lever has two end parts (9) pivotally attached on two opposite surfaces (12) of a plug part (2) and including cam tracks. The lever pivots between a release position, in which one open end of each cam track is positioned at pins (31) of a plug part (3), and a locking position in which each pin is positioned in a locking portion of the cam tracks and the lever is arranged parallel to an electronic box. The end parts are elastically deformed to allow the pin to penetrate into the locking part and to apply a compression force between two plug parts.

IPC 8 full level
H01R 13/629 (2006.01)

CPC (source: EP US)
H01R 13/62938 (2013.01 - EP US)

Citation (search report)

- [A] US 5308254 A 19940503 - HATAGISHI YUJI [JP], et al
- [A] US 2002182491 A1 20021205 - MAEGAWA TAKAO [JP]
- [A] US 5474462 A 19951212 - YAMANASHI MAKOTO [JP]

Cited by
CN108695646A; EP3012922A1; CN105522527A; EP2133959A3; WO2008138613A1; EP2451021B1

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

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1729376 A2 20061206; EP 1729376 A3 20071003; EP 1729376 B1 20090923; CA 2548636 A1 20061130; CA 2548636 C 20140715; DE 602006009337 D1 20091105; ES 2333899 T3 20100302; FR 2886474 A1 20061201; JP 2006339154 A 20061214; MX PA06005971 A 20070126; US 2006270257 A1 20061130; US 7335038 B2 20080226

DOCDB simple family (application)
EP 06290728 A 20060505; CA 2548636 A 20060526; DE 602006009337 T 20060505; ES 06290728 T 20060505; FR 0505505 A 20050531; JP 2006150906 A 20060531; MX PA06005971 A 20060525; US 44228906 A 20060530