

Title (en)

LOCKING MECHANISM FOR PLUG CONNECTORS

Title (de)

VERRIEGELUNGSMECHANISMUS FÜR STECKVERBINDER

Title (fr)

MÉCANISME DE VERROUILLAGE POUR CONNECTEUR ENFICHABLE

Publication

**EP 2923418 B1 20200122 (DE)**

Application

**EP 13817645 A 20131126**

Priority

- DE 102012111408 A 20121126
- DE 2013100397 W 20131126

Abstract (en)

[origin: DE102012111408B3] The mechanism (1) has primary locking element (20) with locking unit (21) is engaged in push element (50). The primary locking element is positioned in specific position to move secondary locking element (30) from specific position to preset position. The secondary locking element is positioned in preset position to move primary locking element from preset position to specific position. The primary spring element (25) is provided to exert force on primary locking element such that positive movement of primary locking element in specific position is produced.

IPC 8 full level

**H01R 13/627** (2006.01); **H01R 13/639** (2006.01)

CPC (source: CN EP US)

**H01R 13/627** (2013.01 - CN EP US); **H01R 13/639** (2013.01 - CN EP US)

Citation (examination)

DE 102004034321 B3 20060112 - AMPHENOL TUCHEL ELECT [DE]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**DE 102012111408 B3 20131024**; CN 104871374 A 20150826; CN 104871374 B 20170815; EP 2923418 A1 20150930; EP 2923418 B1 20200122; KR 101703462 B1 20170206; KR 20150090220 A 20150805; US 2015303620 A1 20151022; US 9478911 B2 20161025; WO 2014079418 A1 20140530

DOCDB simple family (application)

**DE 102012111408 A 20121126**; CN 201380061547 A 20131126; DE 2013100397 W 20131126; EP 13817645 A 20131126; KR 20157017236 A 20131126; US 201314442882 A 20131126