

Title (en)
LOCKABLE AND RELEASABLE PLUG

Title (de)
VER- UND ENTRIEGELBARER STECKVERBINDER

Title (fr)
CONNECTEUR ÉLECTRIQUE POUVANT ÊTRE VERROUILLÉ ET DÉVERROUILLÉ

Publication
EP 3718176 A1 20201007 (DE)

Application
EP 18815509 A 20181114

Priority
• DE 102017127991 A 20171127
• DE 2018100931 W 20181114

Abstract (en)
[origin: WO2019101269A1] The aim of the invention is to achieve a compact design. This aim is achieved by a push-pull latching system for a rectangular plug, in which push-pull latching system at least one locking and releasing element (11) is held against a broad side of a plug housing in such away that said locking and releasing element can be moved parallel to said broad side of the plug housing (1). For this purpose, the locking and releasing element (11) can be formed integrally with the plug housing (1) from an elastic plastic and can have a plurality of locking arms (111) having locking hooks (113). The movement necessary for releasing is then inversely proportional to the number of locking arms (111); the elasticity is also determined by the shape of the locking arms, in particular the width of the locking arms.

IPC 8 full level
H01R 13/627 (2006.01); **H01R 13/639** (2006.01)

CPC (source: EP KR US)
H01R 13/6271 (2013.01 - US); **H01R 13/6275** (2013.01 - EP KR); **H01R 13/639** (2013.01 - KR US); **H01R 13/639** (2013.01 - EP)

Citation (search report)
See references of WO 2019101269A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
DE 102017127991 A1 20190529; **DE 102017127991 B4 20210610**; CN 111386634 A 20200707; CN 111386634 B 20211105; EP 3718176 A1 20201007; EP 3718176 B1 20221026; KR 102468665 B1 20221121; KR 20200083613 A 20200708; US 10978830 B2 20210413; US 2020343670 A1 20201029; WO 2019101269 A1 20190531

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