

Title (en)
MULTI-FUNCTION CONNECTOR

Title (de)
MULTIFUNKTIONSVERBINDER

Title (fr)
CONNECTEUR MULTIFONCTION

Publication
EP 3894244 A1 20211020 (DE)

Application
EP 19816528 A 20191127

Priority
• EP 18211706 A 20181211
• DE 102019104547 A 20190222
• EP 2019000325 W 20191127

Abstract (en)
[origin: WO2020119936A1] The present disclosure relates to a multi-function connector (1) for a vehicle or a vehicle trailer or a plant or a machine or a device for connecting and disconnecting connection elements (20, 21) of lines (20a, 21a), in particular of electrical lines and/or hydraulic lines and/or pneumatic lines. The multi-function connector (1) has a first receiving element (2) for receiving at least one first connection element (20), a second receiving element (3) for receiving at least one second connection element (21) that can be connected to the first connection element (20), and a parallelogram mechanism (6). The parallelogram mechanism (6) is designed to move the second receiving element (3), relative to the first receiving element (2), substantially linearly along a connection direction of the first connection element (20) and of the second connection element (21) between an open state, in which the first connection element (20) and the second connection element (21) are disconnected from each another, and a closed state, in which the first connection element (20) and the second connection element (21) are connected together.

IPC 8 full level
B60D 1/64 (2006.01); **B60L 1/14** (2006.01); **H01R 13/629** (2006.01)

CPC (source: EP IL)
B60D 1/64 (2013.01 - EP IL); **B60L 1/14** (2013.01 - IL); **H01R 13/629** (2013.01 - IL); **H01R 13/62933** (2013.01 - EP); **H01R 13/639** (2013.01 - EP); **H01R 2201/26** (2013.01 - EP)

Citation (search report)
See references of WO 2020119936A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2020119936 A1 20200618; EP 3894244 A1 20211020; IL 283863 A 20210729; JP 2022513476 A 20220208; MA 54441 A 20220323; SG 11202105575X A 20210629

DOCDB simple family (application)
EP 2019000325 W 20191127; EP 19816528 A 20191127; IL 28386321 A 20210609; JP 2021533604 A 20191127; MA 54441 A 20191127; SG 11202105575X A 20191127