

Title (en)

CONNECTOR WITH SECONDARY SECURING

Title (de)

STECKVERBINDER MIT SEKUNDÄRSICHERUNG

Title (fr)

CONNECTEUR ENFICHABLE À SÉCURITÉ SECONDAIRE

Publication

EP 3518345 B1 20200701 (DE)

Application

EP 18200622 A 20181016

Priority

DE 102018101667 A 20180125

Abstract (en)

[origin: US2019229450A1] The invention relates to a plug connector, in particular a direct plug connector, for contacting contact openings of a circuit board, the plug connector including a contact carrier which can include coding devices, in particular coding pins and a polarity reversal safety, in particular configured as polarity protrusions; conductor insertion channels formed by the contact carrier and configured to receive connection conductors, and contact recesses configured to receive plug contacts; a primary safety that supports the contact carrier at the circuit board and that is in particular configured as interlocking elements, characterized in that, the contact carrier is provided with a secondary safety which fixes the contact carrier at the circuit board in addition to the primary safety and which is operable independently from the primary safety.

IPC 8 full level

H01R 12/70 (2011.01); **H01R 12/51** (2011.01); **H01R 13/621** (2006.01); **H01R 4/2433** (2018.01)

CPC (source: CN EP US)

H01R 4/2433 (2013.01 - EP US); **H01R 4/2445** (2013.01 - US); **H01R 12/515** (2013.01 - EP US); **H01R 12/58** (2013.01 - US); **H01R 12/7023** (2013.01 - EP US); **H01R 12/7047** (2013.01 - EP US); **H01R 12/716** (2013.01 - CN US); **H01R 13/502** (2013.01 - CN); **H01R 13/621** (2013.01 - US); **H01R 13/6215** (2013.01 - EP); **H01R 13/73** (2013.01 - CN); **H01R 12/7052** (2013.01 - EP US)

Cited by

EP3852201A1; DE102020100856A1

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 102018101667 B3 20190411; CN 110086051 A 20190802; CN 110086051 B 20220201; EP 3518345 A1 20190731; EP 3518345 B1 20200701; ES 2808499 T3 20210301; SI 3518345 T1 20201130; US 10665972 B2 20200526; US 2019229450 A1 20190725

DOCDB simple family (application)

DE 102018101667 A 20180125; CN 201811598901 A 20181226; EP 18200622 A 20181016; ES 18200622 T 20181016; SI 201830124 T 20181016; US 201816218571 A 20181213