

Title (en)

ELECTRICAL CONNECTOR PART HAVING A LOCKING ELEMENT

Title (de)

STECKVERBINDETEIL MIT EINEM VERRIEGELUNGSELEMENT

Title (fr)

PIÈCE DE CONNECTEUR ENFICHABLE MUNIE D'UN ÉLÉMENT DE VERROUILLAGE

Publication

EP 3665748 A1 20200617 (DE)

Application

EP 18746945 A 20180730

Priority

- DE 102017118014 A 20170808
- EP 2018070554 W 20180730

Abstract (en)

[origin: WO2019030035A1] The invention relates to an electrical connector part (1) for connecting to a mating electrical connector part (2), which electrical connector part comprises a locking element (13), which is movably arranged on a housing (10) and is designed to lock the mating electrical connector part (2) to the housing (10) in a locking position and can be moved out of the locking position in order to release the locking between the mating electrical connector part (2) and the housing (10) in an unlocking position. A connecting device (11) connects the locking element (13) to the housing (10) and has a guide portion (111), a guide element (131) guided on the guide portion (111), and a spring element (12). The spring element (12) has a locking leg (121) for lockingly fastening the guide element (131) to the guide portion (111) in the locking position and/or the unlocking position. In this way, an electrical connector part is provided which has a locking means that is easy to operate, haptically pleasing and easy to install.

IPC 8 full level

H01R 13/625 (2006.01); **H01R 13/639** (2006.01)

CPC (source: EP US)

H01R 13/625 (2013.01 - EP US); **H01R 13/629** (2013.01 - US); **H01R 13/639** (2013.01 - EP US)

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)

DE 102017118014 B3 20180712; CN 110998984 A 20200410; CN 110998984 B 20211026; EP 3665748 A1 20200617; EP 3665748 B1 20230329; ES 2947009 T3 20230731; JP 2020530189 A 20201015; JP 6875599 B2 20210526; US 11081838 B2 20210803; US 2020169038 A1 20200528; WO 2019030035 A1 20190214

DOCDB simple family (application)

DE 102017118014 A 20170808; CN 201880051627 A 20180730; EP 18746945 A 20180730; EP 2018070554 W 20180730; ES 18746945 T 20180730; JP 2020506966 A 20180730; US 201816636913 A 20180730