

Title (en)
MODULAR ELECTRICAL PLUG CONNECTOR ASSEMBLY

Title (de)
MODULARE ELEKTRISCHE STECKVERBINDERANORDNUNG

Title (fr)
ENSEMBLE DE CONNECTEUR ÉLECTRIQUE MODULAIRE

Publication
EP 2692025 B1 20200527 (DE)

Application
EP 12707071 A 20120224

Priority
• DE 102011006195 A 20110328
• EP 2012053198 W 20120224

Abstract (en)
[origin: WO2012130537A1] The invention relates to a modular electrical plug connector assembly for control units in a motor vehicle, comprising a module mounting (4) and at least one first (6) and one second plug-in module (8), wherein the first (6) and the second plug-in module (8) are arranged side-by-side and/or consecutively in the module mounting (4). The first plug-in module (6) is provided with a first plug housing (12), wherein the first plug housing (12) is configured to accommodate a first electrical plug connector. The second plug-in module (8) is provided with a second plug housing (14), wherein the second plug housing (14) is configured to accommodate a second electrical plug connector. The first plug housing (12) is provided with an electrically conductive first contact element (18), and the second plug housing (14) is provided with an electrically conductive second contact element (20). According to the invention, the first plug-in module (6) and the second plug-in module (8) are positioned relative to one another in the module substrate, and the first (6) and the second plug-in module (8) are each permanently attached to the module mounting (4) by means of a fusion process.

IPC 8 full level
H01R 13/504 (2006.01); **H01R 27/02** (2006.01)

CPC (source: EP KR US)
H01R 13/504 (2013.01 - EP KR US); **H01R 13/514** (2013.01 - EP US); **H01R 27/02** (2013.01 - EP KR US); **H01R 33/90** (2013.01 - US); **H01R 43/26** (2013.01 - US); **H01R 2201/26** (2013.01 - EP US); **Y10T 29/49208** (2015.01 - EP US); **Y10T 29/49213** (2015.01 - EP US)

Citation (examination)
JP H08287997 A 19961101 - AMP JAPAN

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 102011006195 A1 20121004; CN 103444006 A 20131211; CN 103444006 B 20161221; EP 2692025 A1 20140205; EP 2692025 B1 20200527; JP 2014510380 A 20140424; JP 5774192 B2 20150909; KR 101689784 B1 20161226; KR 20130116354 A 20131023; US 2014045373 A1 20140213; US 9099828 B2 20150804; WO 2012130537 A1 20121004

DOCDB simple family (application)
DE 102011006195 A 20110328; CN 201280015676 A 20120224; EP 12707071 A 20120224; EP 2012053198 W 20120224; JP 2014501499 A 20120224; KR 20137022786 A 20120224; US 201213985489 A 20120224