

Title (en)
PLUG CONNECTOR MODULE

Title (de)
STECKVERBINDERMODUL

Title (fr)
MODULE DE CONNECTEUR ENFICHABLE

Publication
EP 3014707 B1 20170809 (DE)

Application
EP 15745380 A 20150623

Priority
• DE 102014108847 A 20140625
• DE 2015100253 W 20150623

Abstract (en)
[origin: CA2917975A1] The invention relates to a plug connector module (1) for use in a retaining frame (8) of a modular plug connector. The plug connector module (1) is provided to make electrical contact with the retaining frame (8). A housing that forms the plug connector module (1) is therefore metallic and can be connected to the retaining frame (8) in a mechanical and electrically conductive manner by means of a first type of fastening means (5) and a second type of fastening means (7).

IPC 8 full level
H01R 9/26 (2006.01); **H02B 1/052** (2006.01)

CPC (source: CN EP RU US)
H01R 9/2608 (2013.01 - CN EP US); **H01R 9/2691** (2013.01 - CN EP US); **H01R 13/42** (2013.01 - US); **H01R 9/26** (2013.01 - RU)

Citation (examination)
EP 0860906 B1 20040526 - HARTING ELECTRIC GMBH & CO KG [DE]

Citation (opposition)
Opponent : GESTHUYSEN Patent- und Rechtsanwälte
• EP 1398853 B1 20120815 - HARTING ELECTRIC GMBH & CO KG [DE]
• US 2010291800 A1 20101118 - LIU HENG [CN], et al
• DE 4222452 A1 19930114 - AMP INC [US]
• EP 0860906 B1 20040526 - HARTING ELECTRIC GMBH & CO KG [DE]
• MODULEINSATZ "HVS-GND" DER SERIE " HVS HIGH VARIABLE SYSTEM " DER FIRMA TE CONNECTIVITY (TYCO ELECTRONICS) ENTSPRECHEND DEN ANLAGEN
• "HVS High Variable System", KATALOGE, July 2011 (2011-07-01), pages 1 - 12, XP055488890
• ZEICHUNG DES MODULEINSATZES "HVS-GND" AUS 2006
Opponent : Weidmüller Interface GmbH & Co. KG
• DE 102013108383 A1 20150205 - HARTING ELECTRIC GMBH & CO KG [DE]
• EP 0860906 B1 20040526 - HARTING ELECTRIC GMBH & CO KG [DE]
• DE 29601998 U1 19960404 - HARTING ELEKTRONIK GMBH [DE]
• CN 202454831 U 20120926 - WENLIANG XU
• EP 2058904 A2 20090513 - AMPHENOL TUCHEL ELECT [DE]
• DE 29602740 U1 19960411 - PHOENIX CONTACT GMBH & CO [DE]
• "HVS High Variable System - Modul-System Übersicht", TE KATALOG 1308159-1, July 2011 (2011-07-01), XP055488890
• "Han-Modular®", HARTING BROCHURE, 25 June 2009 (2009-06-25), pages 06-01 - 06-20, XP055488898
• THOMAS HECKMANN: "Möglichkeiten offener Steckverbindersysteme", ELEKTRONIKPRAXIS ELEKTROMECHANIK I, June 2009 (2009-06-01), XP055488907
• "Harting Han-Modular", 29 April 2014 (2014-04-29), XP055488913, Retrieved from the Internet <URL:https://web.archive.org/web/20140429052607/www.steckerladen.de/Industriesteckverbinder/Harting/Han-Modular:::1_2_214.html>

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 102014108847 A1 20151231; DE 102014108847 B4 20180830; CA 2917975 A1 20151230; CN 105637711 A 20160601; CN 105637711 B 20180622; DE 202015009753 U1 20191210; DK 3014707 T3 20171002; EP 3014707 A1 20160504; EP 3014707 B1 20170809; EP 3014707 B2 20230405; ES 2646543 T3 20171214; HU E037081 T2 20180828; JP 2016528689 A 20160915; JP 6081023 B2 20170215; NO 2780523 T3 20180324; PL 3014707 T3 20180131; RU 2627500 C1 20170808; US 2017117655 A1 20170427; US 9793638 B2 20171017; WO 2015197052 A1 20151230

DOCDB simple family (application)
DE 102014108847 A 20140625; CA 2917975 A 20150623; CN 201580002119 A 20150623; DE 2015100253 W 20150623; DE 202015009753 U 20150623; DK 15745380 T 20150623; EP 15745380 A 20150623; ES 15745380 T 20150623; HU E15745380 A 20150623; JP 2016530350 A 20150623; NO 12799382 A 20121114; PL 15745380 T 20150623; RU 2016106361 A 20150623; US 201514906458 A 20150623