

Title (en)
ELECTRIC PLUG-IN SYSTEM

Title (de)
ELEKTRISCHES STECKSYSTEM

Title (fr)
SYSTÈME D'ENFICHAGE ÉLECTRIQUE

Publication
EP 2885844 B1 20220511 (DE)

Application
EP 13745685 A 20130807

Priority
• DE 102012214433 A 20120814
• DE 102013212914 A 20130702
• EP 2013066587 W 20130807

Abstract (en)
[origin: WO2014026886A1] A plug (12a, 12b) for establishing an electric connection to a plug-in module (14a, 14b) comprises a plug member (16) inside which a plurality of electric contacts is accommodated and which has a plug base (18) that is designed to accept a shroud (38) of the plug-in module (14a, 14b). Said plug further comprises a plug lever (22) which is designed to be moved from an initial position to a final position, thus pulling the plug (12a, 12b) in the direction of the plug-in module (14a, 14b). The plug (12a, 12b) has at least one sealing element (50, 52) which is designed to seal the plug (12a, 12b) from the surroundings thereof when the plug is inserted in the plug-in module (14a, 14b).

IPC 8 full level
H01R 13/58 (2006.01); **H01R 13/629** (2006.01)

CPC (source: CN EP US)
H01R 13/5208 (2013.01 - CN EP US); **H01R 13/5219** (2013.01 - CN EP US); **H01R 13/62944** (2013.01 - CN EP US);
H01R 13/5841 (2013.01 - CN EP US); **H01R 13/62955** (2013.01 - CN EP US); **H01R 2201/26** (2013.01 - CN)

Citation (examination)
JP H11185872 A 19990709 - AMP JAPAN, et al

Citation (opposition)
Opponent : TE Connectivity Solutions GmbH
• US 2006110960 A1 20060525 - YAMAOKA ATSUSHI [JP]
• US 6540532 B1 20030401 - MARTIN GALEN MONROE [US], et al
• JP 2005122942 A 20050512 - YAZAKI CORP, et al
• JP H11185872 A 19990709 - AMP JAPAN, et al
• JP 2010205706 A 20100916 - SUMITOMO WIRING SYSTEMS
• JP 2012113932 A 20120614 - SUMITOMO WIRING SYSTEMS
• EP 1705070 B1 20190306 - APTIV TECH LTD [BB]
• US 2007197074 A1 20070823 - GIMBEL MARKUS [DE], et al
• DE 102012214433 P1
• DE 102013212914 P2
• "Zahn & Zacke (Wahrig Deutsches Wörterbuch Aufl. 2000)", 1 January 2000, article WAHRIG- BURFEIND RENATE: "Wahrig Deutsches Wörterbuch", pages: 1413 - 1414, XP093025837

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 2014026886 A1 20140220; CN 104521073 A 20150415; CN 104521073 B 20180330; DE 102013212834 A1 20140220;
DE 102013212914 A1 20140220; EP 2885844 A1 20150624; EP 2885844 B1 20220511; ES 2921550 T3 20220829; HU E059573 T2 20221128;
IN 10545DEN2014 A 20150821; JP 2015529001 A 20151001; JP 5963962 B2 20160803; TW 201415731 A 20140416;
TW 201415732 A 20140416; TW I565161 B 20170101; US 2015200487 A1 20150716; US 9397443 B2 20160719; WO 2014026899 A1 20140220

DOCDB simple family (application)
EP 2013066506 W 20130806; CN 201380043250 A 20130807; DE 102013212834 A 20130702; DE 102013212914 A 20130702;
EP 13745685 A 20130807; EP 2013066587 W 20130807; ES 13745685 T 20130807; HU E13745685 A 20130807;
IN 10545DEN2014 A 20141210; JP 2015526936 A 20130807; TW 102128765 A 20130812; TW 102128924 A 20130813;
US 201314421765 A 20130807