

Title (en)  
PLUG-IN CONNECTOR FOR ELECTRICAL COMPONENTS IN MOTOR VEHICLES

Title (de)  
STECKVERBINDER FÜR ELEKTRISCHE KOMPONENTEN IN KRAFTFAHRZEUGEN

Title (fr)  
CONNECTEUR POUR DES COMPOSANTS ÉLECTRIQUES DANS DES VÉHICULES AUTOMOBILES

Publication  
**EP 2740181 A1 20140611 (DE)**

Application  
**EP 12733025 A 20120626**

Priority  
• DE 102011052364 A 20110802  
• EP 2012062337 W 20120626

Abstract (en)  
[origin: WO2013017341A1] Plug-in connectors for electrical components in motor vehicles having a punched comb (14) which forms connection contacts (16) for a counterpiece of the plug-in connector, a cable (2) with insulated electrical connection lines (6) which are electrically connected to the punched comb (14), a first plug housing portion (18) made of hard plastic, to which the cable (2) is attached, and through which the punched comb (14) protrudes, and a second plug housing portion (32) made of a soft plastic, which directly encloses the individual lugs (12) of the punched comb (14) along an extension section of the lugs (12), are known. However, said connectors frequently provide no protection from the penetration of humidity into the area of the connection contacts (16). It is therefore proposed that the second plug housing portion (32) extends over the first plug housing portion (18) in the plug-in direction of the plug-in connector, wherein the portion (38) of the second plug housing portion (32), which protrudes over the first plug portion, comprises a support surface (48) for a plug counterpiece.

IPC 8 full level  
**H01R 13/52** (2006.01); **H01R 43/24** (2006.01)

CPC (source: EP)  
**H01R 13/504** (2013.01); **H01R 13/521** (2013.01); **H01R 13/5216** (2013.01); **H01R 43/24** (2013.01); **H01R 13/447** (2013.01); **H01R 2201/26** (2013.01)

Citation (search report)  
See references of WO 2013017341A1

Citation (examination)  
US 5641307 A 19970624 - GERRANS AL [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

DOCDB simple family (publication)  
**DE 102011052364 B3 20120913**; EP 2740181 A1 20140611; WO 2013017341 A1 20130207

DOCDB simple family (application)  
**DE 102011052364 A 20110802**; EP 12733025 A 20120626; EP 2012062337 W 20120626