

Title (en)

AN ELECTRICAL CONNECTOR DEVICE FOR A MOTOR VEHICLE AND A VEHICLE WITH SUCH AN ELECTRICAL CONNECTOR DEVICE

Title (de)

ELEKTRISCHE VERBINDEEINRICHTUNG FÜR EIN KRAFTFAHRZEUG UND FAHRZEUG MIT EINER SOLCHEN ELEKTRISCHEN VERBINDEEINRICHTUNG

Title (fr)

DISPOSITIF CONNECTEUR ELECTRIQUE DESTINE A UN VEHICULE A MOTEUR ET VEHICULE POURVU QUE CE DISPOSITIF

Publication

EP 1891705 A4 20120201 (EN)

Application

EP 06747803 A 20060524

Priority

- SE 2006000609 W 20060524
- SE 0501298 A 20050603

Abstract (en)

[origin: WO2006130071A1] The invention concerns an electrical connector device (4) for a motor vehicle, comprising a housing (7) made of an electrically insulating material with a cavity (6) formed therein and with a terminal (5) mounted inside the cavity, where the terminal is adapted for connection to a battery terminal, wherein said terminal (5) is longitudinal and mounted transverse to a cavity opening formed in the housing (7) such that said terminal (5) is externally accessible through the cavity opening. With an electrical connector device according to the invention, it is possible to connect an external power supply to the vehicle battery without direct access to the battery. This is advantageous when the batteries are difficult to access. The connection may be established with conventional power connector cables. Moreover, by providing a terminal in a cavity, a firm grip by a power connector cable (i.e. an alligator clip) may be ensured as the cavity provides an electrical insulation from the vehicle frame and protects against intermittent contact between an object and the terminal.

IPC 8 full level

H01R 11/28 (2006.01); **B60R 16/04** (2006.01); **H02G 3/18** (2006.01)

CPC (source: EP SE)

B60R 16/04 (2013.01 - SE); **H01R 11/281** (2013.01 - SE); **H01R 11/282** (2013.01 - EP); **H01R 11/288** (2013.01 - EP); **H02G 3/185** (2013.01 - SE); **H01R 13/447** (2013.01 - EP); **H01R 24/58** (2013.01 - EP); **H01R 2103/00** (2013.01 - EP)

Citation (search report)

- [X] EP 0100383 A1 19840215 - COLBRESE NICK P
- [X] US 2005118862 A1 20050602 - MEHKE LARRY [US]
- [A] DE 9419346 U1 19950202 - FRITSCHER GERHARD [MC]
- [A] US 4885524 A 19891205 - WILBURN WILLIAM M [US]
- [A] US 4807895 A 19890228 - THOMAS HAROLD F [US], et al
- [A] US 4185204 A 19800122 - FIMA RAOUL G [US]
- See also references of WO 2006130071A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006130071 A1 20061207; EP 1891705 A1 20080227; EP 1891705 A4 20120201; SE 0501298 L 20061204; SE 528723 C2 20070130

DOCDB simple family (application)

SE 2006000609 W 20060524; EP 06747803 A 20060524; SE 0501298 A 20050603