

Title (en)
ELECTRICAL CONNECTION

Title (de)
ELEKTRISCHE STECKVERBINDUNG

Title (fr)
CONNEXION ÉLECTRIQUE

Publication
EP 2839548 A1 20150225 (DE)

Application
EP 13704709 A 20130204

Priority
• DE 102012007911 A 20120420
• EP 2013000335 W 20130204

Abstract (en)
[origin: US8535071B1] Disclosed is a plug-type connection having a plug and a socket with a plug-in opening for the plug. The socket includes a socket housing and at least one retaining element connected to the socket housing and movable about a first pivot axis. The retaining element secures the plug plugged into the plug-in opening against slipping out of the plug-in opening. A means is provided to displace the retaining element about the first pivot axis out of the position securing the plug against slipping out, thereby releasing the plug, if a specific force acting on the plug opposite to the plug-in direction is exceeded.

IPC 8 full level
B60D 1/64 (2006.01); **B60L 11/18** (2006.01); **H01R 13/502** (2006.01); **H01R 13/631** (2006.01); **H01R 13/639** (2006.01)

CPC (source: EP US)
B60D 1/64 (2013.01 - EP US); **B60L 53/16** (2019.01 - EP US); **H01R 13/502** (2013.01 - EP US); **H01R 13/6315** (2013.01 - EP US); **B60L 2270/32** (2013.01 - EP US); **B60L 2270/34** (2013.01 - EP US); **H01R 13/6395** (2013.01 - EP US); **H01R 2201/26** (2013.01 - EP US); **Y02T 10/70** (2013.01 - EP US); **Y02T 10/7072** (2013.01 - EP US); **Y02T 90/14** (2013.01 - EP US)

Citation (search report)
See references of WO 2013156096A1

Cited by
CN108075312A; CN109204369A

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 8535071 B1 20130917; DE 102012007911 A1 20131024; DE 102012007911 B4 20140717; EP 2839548 A1 20150225; WO 2013156096 A1 20131024

DOCDB simple family (application)
US 201213453836 A 20120423; DE 102012007911 A 20120420; EP 13704709 A 20130204; EP 2013000335 W 20130204