

Title (en)

SURGE PROTECTION DEVICE FOR PROTECTING AN ONBOARD POWER SYSTEM OF AN ELECTRIC VEHICLE FROM AN ELECTRIC SURGE, CORRESPONDING METHOD, AND ELECTRIC VEHICLE WITH THE SURGE PROTECTION DEVICE

Title (de)

ÜBERSpannungSSchutzEinrichtung zum Schützen eines Bordnetzes eines Elektrofahrzeugs vor einer elektrischen Überspannung und Entsprechendes Verfahren sowie Elektrofahrzeug mit der ÜberspannungSSchutzEinrichtung

Title (fr)

DISPOSITIF DE PROTECTION CONTRE UNE SURTENSION DESTINÉ À PROTÉGER UN RÉSEAU DE BORD D'UN VÉHICULE ÉLECTRIQUE D'UNE SURTENSION ÉLECTRIQUE ET PROCÉDÉ CORRESPONDANT ET VÉHICULE ÉLECTRIQUE POURVU DU DISPOSITIF DE PROTECTION CONTRE UNE SURTENSION

Publication

**EP 2988961 A2 20160302 (DE)**

Application

**EP 14713119 A 20140327**

Priority

- DE 102013207514 A 20130425
- EP 2014056184 W 20140327

Abstract (en)

[origin: WO2014173616A2] The invention relates to a surge protection device (100) for protecting an onboard power system (24) of an electric vehicle (20) from an electric surge, having the following: an input device (105) which is designed as a current terminal of the electric vehicle (20); a protection device (110) which has at least one surge arrester (111) for arresting a surge; and an interface device (115) which is designed to protect the onboard power system (24) of the electric vehicle (20) from the electric surge by coupling an outlet (110b) of the protection device (110) to the onboard power system (24).

IPC 8 full level

**B60L 1/00** (2006.01); **B60L 3/00** (2006.01); **B60L 3/04** (2006.01); **B60L 11/18** (2006.01); **B60L 15/00** (2006.01); **H02H 9/00** (2006.01); **H02H 9/04** (2006.01); **H02H 9/06** (2006.01)

CPC (source: EP US)

**B60L 1/003** (2013.01 - EP US); **B60L 3/00** (2013.01 - US); **B60L 3/0046** (2013.01 - EP US); **B60L 3/04** (2013.01 - EP US); **B60L 50/51** (2019.01 - EP US); **B60L 53/14** (2019.01 - EP US); **B60L 53/31** (2019.01 - EP US); **B60L 58/15** (2019.01 - EP US); **B60L 58/20** (2019.01 - EP US); **H02H 9/005** (2013.01 - EP US); **H02H 9/04** (2013.01 - US); **H02H 9/041** (2013.01 - EP US); **H02H 9/06** (2013.01 - EP US); **B60L 2240/547** (2013.01 - EP US); **Y02T 10/70** (2013.01 - EP US); **Y02T 10/7072** (2013.01 - EP US); **Y02T 90/12** (2013.01 - EP US); **Y02T 90/14** (2013.01 - EP US)

Citation (search report)

See references of WO 2014173616A2

Cited by

WO2018011723A1

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)

**DE 102013207514 A1 20141030**; CN 105121214 A 20151202; EP 2988961 A2 20160302; JP 2016517263 A 20160609; US 2016075236 A1 20160317; WO 2014173616 A2 20141030; WO 2014173616 A3 20150423

DOCDB simple family (application)

**DE 102013207514 A 20130425**; CN 201480023209 A 20140327; EP 14713119 A 20140327; EP 2014056184 W 20140327; JP 2016509352 A 20140327; US 201414785890 A 20140327