

Title (en)

HIGH-VOLTAGE VEHICLE HEATER AND METHOD FOR USING RECUPERATION POWER IN A VEHICLE

Title (de)

HOCHSPANNUNGS-FAHRZEUGHEIZUNG UND VERFAHREN ZUR NUTZUNG VON REKUPERATIONSLEISTUNG IN EINEM FAHRZEUG

Title (fr)

CHAUFFAGE DE VÉHICULE À HAUTE TENSION ET PROCÉDÉ D'UTILISATION D'ÉNERGIE DE RÉCUPÉRATION DANS UN VÉHICULE

Publication

EP 3363260 A1 20180822 (DE)

Application

EP 16781079 A 20160930

Priority

- DE 102015013301 A 20151013
- EP 2016073496 W 20160930

Abstract (en)

[origin: WO2017063904A1] The invention relates to a high-voltage vehicle heater (10), comprising a control device (12), comprising an electrical heating element (14) which is intended for heating a heating medium (16), and comprising a first data interface (18) by means of which a heating request signal can be received, said heating request signal representing an external heating request, wherein the control device (12) determines a first data set which represents at least one first electrical power with which the electrical heating element is to be operated in order to meet the external heating request, wherein the control device (12) determines, on the basis of a parameter data set, a second data set which represents at least one second electrical power which can be supplied to the electrical heating element (14) in addition to the first electrical power, without there being a risk of the vehicle heater (10) being damaged.

IPC 8 full level

B60L 7/10 (2006.01); **H05B 1/02** (2006.01)

CPC (source: EP KR US)

B60H 1/00385 (2013.01 - US); **B60H 1/2218** (2013.01 - EP KR US); **B60H 1/2221** (2013.01 - EP KR US); **B60H 1/2225** (2013.01 - US); **B60L 1/12** (2013.01 - EP KR US); **B60L 7/10** (2013.01 - EP KR US); **B60W 10/00** (2013.01 - KR); **H05B 1/0236** (2013.01 - EP KR US); **B60H 2001/2231** (2013.01 - US); **B60H 2001/224** (2013.01 - EP KR US); **B60H 2001/2253** (2013.01 - US); **B60H 2001/2265** (2013.01 - EP KR US); **B60L 2240/36** (2013.01 - EP KR US); **B60Y 2200/91** (2013.01 - KR)

Citation (search report)

See references of WO 2017063904A1

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 102015013301 B3 20170216; CN 108141911 A 20180608; CN 108141911 B 20220405; EP 3363260 A1 20180822; JP 2018530470 A 20181018; JP 6661112 B2 20200311; KR 102146172 B1 20200819; KR 20180057682 A 20180530; US 2018297450 A1 20181018; WO 2017063904 A1 20170420

DOCDB simple family (application)

DE 102015013301 A 20151013; CN 201680060177 A 20160930; EP 16781079 A 20160930; EP 2016073496 W 20160930; JP 2018518462 A 20160930; KR 20187011321 A 20160930; US 201615767505 A 20160930