

Title (en)
METHOD FOR COMPENSATING FOR NO-LOAD LOSSES IN AN ELECTRIC VEHICLE, COMPUTER PROGRAM PRODUCT, DATA CARRIER,
AND ELECTRIC VEHICLE

Title (de)
VERFAHREN ZUM KOMPENSIEREN VON LEERLAUFVERLUSTEN IN EINEM ELEKTROFAHRZEUG, COMPUTERPROGRAMMPRODUKT,
DATENTRÄGER UND ELEKTROFAHRZEUG

Title (fr)
PROCÉDÉ POUR COMPENSER LES PERTES DE FONCTIONNEMENT AU RALENTI DANS UN VÉHICULE ÉLECTRIQUE, PRODUIT DE
PROGRAMME INFORMATIQUE, SUPPORT DE DONNÉES ET VÉHICULE ÉLECTRIQUE

Publication
EP 3606785 A1 20200212 (DE)

Application
EP 18716924 A 20180326

Priority
• DE 102017205871 A 20170406
• EP 2018057570 W 20180326

Abstract (en)
[origin: WO2018184877A1] The present invention relates to a method for compensating for no-load losses in an electric vehicle (1000a; 1000b) comprising a first drive unit (20) in the form of an electric machine which is supplied with power by at least one battery (50) of the electric vehicle (1000a; 1000b) for driving the electric vehicle (1000a; 1000b), and a second drive unit (30; 40) for driving the electric vehicle (1000a; 1000b). In a no-load operation of the first drive unit (20), in which the first drive unit (20) is to provide neither a positive nor a negative moment, the no-load losses at the first drive unit (20) are compensated for to a different degree, depending on predictive route data and/or vehicle data of the electric vehicle (1000a; 1000b). The invention further relates to a computer program product (10) for carrying out the method according to the invention, to a data carrier (100) on which the computer program product (10) is stored, and to an electric vehicle (1000a; 1000b).

IPC 8 full level
B60L 15/20 (2006.01)

CPC (source: EP US)
B60K 1/02 (2013.01 - US); **B60K 6/24** (2013.01 - US); **B60K 6/26** (2013.01 - US); **B60K 6/28** (2013.01 - US); **B60L 15/20** (2013.01 - EP US); **B60L 15/2045** (2013.01 - US); **B60L 50/51** (2019.01 - EP); **B60L 50/60** (2019.01 - EP US); **B60L 50/66** (2019.01 - US); **B60L 58/12** (2019.01 - EP US); **B60W 10/06** (2013.01 - US); **B60W 10/08** (2013.01 - US); **B60W 20/10** (2013.01 - US); **B60L 2240/423** (2013.01 - EP); **B60L 2240/429** (2013.01 - EP); **B60L 2260/24** (2013.01 - EP); **B60Y 2200/91** (2013.01 - US); **B60Y 2200/92** (2013.01 - US); **Y02T 10/64** (2013.01 - EP); **Y02T 10/70** (2013.01 - EP); **Y02T 10/72** (2013.01 - EP)

Citation (search report)
See references of WO 2018184877A1

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)
WO 2018184877 A1 20181011; CN 110461639 A 20191115; CN 110461639 B 20230627; DE 102017205871 A1 20181011; EP 3606785 A1 20200212; EP 4015282 A2 20220622; EP 4015282 A3 20220824; US 2020189559 A1 20200618

DOCDB simple family (application)
EP 2018057570 W 20180326; CN 201880020655 A 20180326; DE 102017205871 A 20170406; EP 18716924 A 20180326; EP 21206120 A 20180326; US 201816603023 A 20180326