

Title (en)
METHOD FOR FILLING AN ENERGY STORAGE DEVICE IN A MOTOR VEHICLE BY MEANS OF A CHARGING DEVICE AND METHOD FOR OPERATING A CHARGING DEVICE FOR A MOTOR VEHICLE

Title (de)
VERFAHREN ZUM BEFÜLLEN EINER ENERGIESPEICHEREINRICHTUNG EINES KRAFTFAHRZEUGS MITTELS EINER LADEEINRICHTUNG SOWIE VERFAHREN ZUM BETREIBEN EINER LADEEINRICHTUNG FÜR EIN KRAFTFAHRZEUG

Title (fr)
PROCÉDÉ DE REMPLISSAGE D'UN DISPOSITIF DE STOCKAGE D'ÉNERGIE DANS UN VÉHICULE AUTOMOBILE AU MOYEN D'UN DISPOSITIF DE CHARGE ET PROCÉDÉ DE FONCTIONNEMENT D'UN DISPOSITIF DE CHARGE POUR UN VÉHICULE AUTOMOBILE

Publication
EP 4226298 A1 20230816 (DE)

Application
EP 21789618 A 20210930

Priority
• DE 102020006087 A 20201005
• EP 2021076903 W 20210930

Abstract (en)
[origin: WO2022073836A1] The invention relates to a method for filling an energy storage device (14) in a motor vehicle (10) by means of a charging device (12), in which method, as soon as the motor vehicle (10) is arranged closer than a specified limit distance to the charging device (12), an electronic computing device (16) in the motor vehicle (10) provides to the charging device (12) a wirelessly transmitted identifier uniquely identifying a billing account associated with the motor vehicle (10), the energy storage device (14) is filled by means of the charging device (12), and the billing account is automatically billed as a function of the filling.

IPC 8 full level
G06Q 10/02 (2012.01); **B60L 53/65** (2019.01); **B60L 53/66** (2019.01); **G06Q 30/04** (2012.01); **G07F 15/00** (2006.01)

CPC (source: EP KR US)
B60L 53/305 (2019.01 - EP KR); **B60L 53/65** (2019.01 - EP KR); **B60L 53/665** (2019.01 - EP KR US); **G06Q 10/02** (2013.01 - EP KR); **G06Q 20/10** (2013.01 - KR); **G06Q 20/102** (2013.01 - US); **G06Q 20/145** (2013.01 - KR); **G06Q 30/04** (2013.01 - EP KR); **G07F 15/005** (2013.01 - EP); **B60L 2240/80** (2013.01 - EP); **Y02T 10/70** (2013.01 - EP); **Y02T 10/7072** (2013.01 - EP); **Y02T 90/12** (2013.01 - EP); **Y02T 90/16** (2013.01 - EP)

Citation (search report)
See references of WO 2022073836A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102020006087 A1 20220407; CN 116323303 A 20230623; EP 4226298 A1 20230816; JP 2023545717 A 20231031; KR 20230061524 A 20230508; US 2024020663 A1 20240118; WO 2022073836 A1 20220414

DOCDB simple family (application)
DE 102020006087 A 20210005; CN 202180067887 A 20210930; EP 2021076903 W 20210930; EP 21789618 A 20210930; JP 2023521170 A 20210930; KR 20237011555 A 20210930; US 202118030088 A 20210930