

Title (en)

CHARGING STATION FOR CHARGING ELECTRIC VEHICLES, COMPRISING A CONTROL DEVICE FOR DETERMINING AN EQUIVALENT STORAGE CAPACITY OF A VIRTUAL PRECHARGE STORE, AND ASSOCIATED METHOD

Title (de)

LADestation ZUM LADEN VON ELEKTROFAHRZEUGEN UMFASSEND EINE STEUEREINRICHTUNG ZUR BESTIMMUNG EINER ÄQUIVALENTEN SPEICHERKAPAZITÄT EINES VIRTUELLEN VORLADESPEICHERS UND DAZUGEHÖRIGES VERFAHREN

Title (fr)

STATION DE CHARGE DESTINÉE À CHARGER DES VÉHICULES ÉLECTRIQUES COMPRENANT UN ÉQUIPEMENT DE COMMANDE POUR LA DÉTERMINATION D'UNE CAPACITÉ ÉQUIVALENTE D'ACCUMULATEUR D'UN ACCUMULATEUR VIRTUEL DE PRÉCHARGE ET PROCÉDÉ ASSOCIÉ

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Application

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Abstract (en)

[origin: WO2019201781A1] The invention relates to a charging station (200) for charging electric vehicles, and the charging station (200) comprises a network connection point (210), which is used to connect the charging station (200) to an electrical supply network (216) for the purpose of removing electrical power from the electrical supply network (216), wherein the network connection point (210) has a connection power value up to which the charging station (200) can remove maximum power from the electrical supply network (216), at least one charging terminal each for charging an electric vehicle, at least one controllable load which is in addition to the at least one charging terminal, and a control device (232) for controlling the charging station (200), wherein the control device (232) is prepared to determine an equivalent storage capacity of a virtual precharge store (230) and to control the charging of the electric vehicles on the basis of the connection power value and the equivalent storage capacity, wherein the equivalent storage capacity describes a value corresponding to a storage capacity of a virtual electrical precharge store (204) which can provide an additional charging power determined by the storage capacity for a predetermined charging period in order to increase a charging power limited by the connection power value.

IPC 8 full level

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Citation (search report)

See references of WO 2019201781A1

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