

Title (en)

METHOD AND DEVICE FOR ESTIMATING A DEPARTURE TIME FOR USE IN AN INTELLIGENT CHARGING PROCESS OF ELECTRIC VEHICLES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR SCHÄTZUNG EINER ABFAHRTSZEIT ZUM EINSATZ BEI EINEM INTELLIGENTEN LADEN VON ELEKTROFAHRZEUGEN

Title (fr)

PROCÉDÉ ET DISPOSITIF D'ESTIMATION D'UN TEMPS DE DÉPART DESTINÉ À ÊTRE UTILISÉ DANS UN PROCESSUS DE CHARGE INTELLIGENT DE VÉHICULES ÉLECTRIQUES

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Application

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Abstract (en)

[origin: WO2023001531A1] The invention relates to a method for ascertaining a departure time specification, which indicates the most probable departure time specification (AB) of an electric vehicle (4) from a building, in order to determine a charging strategy for an electric energy storage device (41) of the electric vehicle (4), having the following steps: - providing a data-based departure time model (11) which is trained to provide a departure time specification (AB) on the basis of a calendrical time specification (Z) and on the basis of one or more temporal load variable curves (V1, V2) of vehicle-external load variables within a specified period of time, said one or more load variable curves (V1, V2) characterizing the usage of one or more energy loads (7), in particular a domestic appliance and/or a heating and hot water system, of the building; and - analyzing the data-based departure time model (11) by specifying the calendrical time specification (Z) and the one or more load variable curves (V1, V2) within the specified period of time in order to determine the departure time specification (AB).

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