

Title (en)

METHOD FOR ELECTRICALLY CHARGING VEHICLE BATTERIES FOR A GROUP OF VEHICLES

Title (de)

VERFAHREN ZUM ELEKTRISCHEN LADEN VON FAHRZEUGBATTERIEN FÜR EINE GRUPPE VON FAHRZEUGEN

Title (fr)

PROCÉDÉ DE CHARGE ÉLECTRIQUE DE BATTERIES DE VÉHICULES POUR UN GROUPE DE VÉHICULES

Publication

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Application

EP 20800794 A 20201014

Priority

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Abstract (en)

[origin: WO2021074195A1] The invention relates to a method for electrically charging vehicle batteries for a group of member vehicles, comprising the steps of: forecasting a total energy requirement for electrically charging vehicle batteries for the group of member vehicles in a future period; forecasting a temporal distribution of the charging power requirement for the group of member vehicles over the future period, calculating an overall charging power profile for the group of member vehicles, optimized in respect of one or more optimization criteria, on the basis of the forecast total energy requirement and the forecast temporal distribution of the charging power requirement; purchasing an amount of energy in accordance with the optimized overall charging power profile on a relevant energy market; and controlling the timing of the charging processes of the individual member vehicles from the group using a respective charging profile in such a manner that the sum of the respective charging profiles of the individual member vehicles corresponds to the optimized overall profile of the charging power.

IPC 8 full level

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