

Title (en)

PREDICTIVE BATTERY CHARGING FOR BATTERY-OPERATED RAIL VEHICLES

Title (de)

PRÄDIKTIVE BATTERIELADUNG FÜR BATTERIEBETRIEBENE SCHIENENFAHRZEUGE

Title (fr)

CHARGE DE BATTERIE PRÉDICTIVE POUR DES VÉHICULES FERROVIAIRES FONCTIONNANT SUR BATTERIE

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Application

EP 20838964 A 20201218

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Abstract (en)

[origin: WO2021123254A1] The invention relates to a method for charging a traction battery of a battery-operated rail vehicle. The method comprises the step of determining a first expected energy consumption of the battery-operated rail vehicle for passing through a first route section without a charging point until reaching the next charging point. The method also comprises the step of determining a target state of charge of the traction battery, taking an aging status of the traction battery and the first expected energy consumption into consideration. The method also comprises the steps of adjusting a target temperature for the charging of the traction battery, and charging the traction battery until reaching the target state of charge. The invention also relates to a battery charging system for a battery-operated rail vehicle.

IPC 8 full level

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