

Title (en)

POWER SUPPLY FOR A RAIL VEHICLE, HAVING A TRACTION BATTERY

Title (de)

STROMVERSORGUNG FÜR EIN SCHIENENFAHRZEUG MIT TRAKTIONSBATTERIE

Title (fr)

ALIMENTATION ÉLECTRIQUE POUR UN VÉHICULE FERROVIAIRE PRÉSENTANT UNE BATTERIE DE TRACTION

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Application

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Abstract (en)

[origin: WO2023006253A1] The invention relates to a power supply device (30) for a rail vehicle (1). The power supply device (30) comprises a traction battery (10), a traction intermediate circuit (ZK), an on-board network (3AC), a bidirectional charging device (13), which is switched between the traction battery (10) and the on-board network (3AC), and a first switching unit (S3) between the traction battery (10) and the traction intermediate circuit (ZK) for switching between a charging operation and a discharging operation of the traction battery (10). The invention also relates to a power supply provision device. Furthermore, a method for discharging a traction battery (10) of a power supply device (30) according to the invention is disclosed. The invention additionally relates to a method for charging a traction accumulator (10) of a power supply device (30). Furthermore, a rail vehicle (1) is described.

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