

Title (en)

ELECTRIC DRIVE AND HEATING FOR A VEHICLE, AND METHOD FOR HEATING A VEHICLE

Title (de)

ELEKTROANTRIEB UND HEIZUNG FÜR EIN FAHRZEUG, UND VERFAHREN ZUM HEIZEN EINES FAHRZEUGS

Title (fr)

ENTRAÎNEMENT ÉLECTRIQUE ET CHAUFFAGE POUR UN VÉHICULE, ET PROCÉDÉ DE CHAUFFAGE D'UN VÉHICULE

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Application

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Abstract (en)

[origin: WO2010081597A1] The invention relates to an electric drive (10, 12, 14, 16, 18) for a vehicle (1), in particular a motor vehicle. The electric drive (10, 12, 14, 16, 18) has an electric motor (10), wherein the electric motor (10) has at least one electric drive means (12, 14, 16) for producing a rotary movement. The electric drive (10, 12, 14, 16) also has a heating apparatus (20, 22, 25) which is operatively connected to the electric motor (10) and is designed to dissipate operating heat losses (34), which are produced by the electric motor (10) during production of the rotary movement, and to transfer them to a passenger compartment (26) of the vehicle (1). According to the invention, the electrical drive (10, 12, 14, 16, 18) has a control unit (16) which is connected to the electric motor (10), wherein the control unit (16) is designed to control the electric motor (10) as a function of a heating signal received on the input side such that the electric motor (10) produces additional heat losses by means of at least one of the electric drive means (12, 14, 16).

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