

Title (en)

SYSTEM FOR THE OVERALL CONTROL OF HEAT FOR ELECTRICALLY PROPELLED MOTOR VEHICLE

Title (de)

SYSTEM ZUR GESAMTWÄRMEREGELUNG FÜR EIN ELEKTRISCH BETRIEBENES KRAFTFAHRZEUG

Title (fr)

SYSTÈME DE RÉGULATION THERMIQUE GLOBALE POUR VÉHICULE AUTOMOBILE À PROPULSION ÉLECTRIQUE

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Application

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Abstract (en)

[origin: WO2011015734A1] The invention relates to a system (10) for the overall control of heat for the passenger compartment (33) and for the electrical units in a motor vehicle that is completely or partially propelled by an electric engine powered by a battery, including a heat-control fluid circuit (3) coupled to a heating means (27) and/or to a cooling means (4) enabling said fluid to store calories or frigories when the system (10) is plugged into an electrical network outside of the vehicle. Said fluid circuit is capable of releasing calories and/or frigories to the air of the passenger compartment (33), in an alternating manner, either through a heat exchanger (11c, 11f) between the circuit and the air of the passenger compartment, or using a climate circuit (4) forming a heat pump and/or an air-conditioning system. Reference: figure 3.

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