

Title (en)
TEMPERATURE EQUALISATION DEVICE AND DEVICE ARRANGEMENT IN A TEMPERATURE EQUALISATION SYSTEM

Title (de)
TEMPERIERUNGSVORRICHTUNG UND VORRICHTUNGSANORDNUNG IN EINEM TEMPERIERUNGSSYSTEM

Title (fr)
DISPOSITIF D'ÉQUILIBRAGE DE TEMPÉRATURE ET ENSEMBLE DE DISPOSITIF DANS UN SYSTÈME D'ÉQUILIBRAGE DE TEMPÉRATURE

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Application
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Abstract (en)
[origin: WO2019192977A1] The invention relates to a temperature equalisation device (1) which is configured to equalise the temperature of a drive battery (2) of an electric drive in a vehicle, using a temperature equalisation circuit. Said temperature equalisation circuit (3) comprises a battery through-flow section (32) which is in thermal contact with the drive battery (2); a cooling through-flow section (34) which is in thermal contact with an ambient heat exchanger (4); and conducting sections for the connection of the temperature equalisation circuit (3) and the temperature equalisation device (1). The temperature equalisation device (1) comprises: an electrical pump assembly (13) with a pump housing (11) for circulating a liquid heat transfer medium; an electrical heating device (15) for heating the heat transfer medium; and a temperature equalisation control device (16) comprising: a pump control section which is configured to control a pumping capacity; and a heating control section configured to control a heating output; wherein, in the pump housing (11), a heating through-flow section (35) for the temperature equalisation circuit (3) is provided which is in thermal contact with the electrical heating device (15).

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Citation (search report)
See references of WO 2019192977A1

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