

Title (en)

THERMAL MANAGEMENT SYSTEM FOR A VEHICLE AND METHOD FOR OPERATING A THERMAL MANAGEMENT SYSTEM

Title (de)

THERMOMANAGEMENTSYSTEM FÜR EIN FAHRZEUG UND VERFAHREN ZUM BETRIEB EINES THERMOMANAGEMENTSYSTEMS

Title (fr)

SYSTÈME DE GESTION THERMIQUE POUR UN VÉHICULE ET PROCÉDÉ DE FONCTIONNEMENT D'UN SYSTÈME DE GESTION THERMIQUE

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Application

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Abstract (en)

[origin: WO2022122189A1] The present invention relates to a thermal management system (2) for a vehicle, comprising a controller, a first coolant circuit (4) having a first coolant pump (6), a second coolant circuit (8) having a second coolant pump (10), and a multi-way valve (12) which closes each of the coolant circuits (4, 8) and can be automatically actuated by means of the controller, and wherein the first coolant circuit (4) and the second coolant circuit (8) can be fluidically connected to each other by means of the multi-way valve (12) depending on the actuation of the multi-way valve (12), wherein, when the first coolant pump (6) is activated and the second coolant pump (10) is deactivated, a coolant circulates substantially in the first coolant circuit (4), and, when the first coolant pump (6) is activated and the second coolant pump (10) is activated, the coolant circulates in the first coolant circuit (4) and in the second coolant circuit (8), which is fluidically connected to the first coolant circuit (4) by means of the multi-way valve (12).

IPC 8 full level

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See references of WO 2022122189A1

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