

Title (en)

THERMAL MANAGEMENT DEVICE FOR AN ELECTRIC OR HYBRID MOTOR VEHICLE

Title (de)

TEMPERATURSTEUERUNGSVORRICHTUNG FÜR EIN ELEKTRISCHES ODER HYBRIDES KRAFTFAHRZEUG

Title (fr)

DISPOSITIF DE GESTION THERMIQUE DE VÉHICULE AUTOMOBILE ÉLECTRIQUE OU HYBRIDE

Publication

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Application

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Abstract (en)

[origin: WO2020165512A1] The present invention concerns a thermal management device comprising an indirect air-conditioning circuit (1) for a motor vehicle, comprising: a first refrigerant loop (A) comprising, in the direction of flow of the refrigerant, a compressor (3), a two-fluid heat exchanger (5), a first expansion device (7), a first heat exchanger (9) arranged inside a first heating, ventilation and air-conditioning device (X), a second expansion device (11), a second heat exchanger (13), and a first bypass duct (30) comprising a first stop valve (33), a first inner heat exchanger (19), a second inner heat exchanger (19'), a second bypass duct (40) comprising a third expansion device (17) arranged upstream from a first cooler (15), a third bypass duct (80) comprising a first additional heat exchanger (9') arranged in a second heating, ventilation and air-conditioning device (Y), a second heat transfer fluid loop (B).

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