Title (en)

FUEL-CELL COOLING ASSEMBLY AND METHOD FOR CONTROLLING A FUEL-CELL COOLING ASSEMBLY

Title (de)

BRENNSTOFFZELLENKÜHLANORDNUNG UND VERFAHREN ZUR REGELUNG EINER BRENNSTOFFZELLENKÜHLANORDNUNG

Title (fr)

ENSEMBLE DE REFROIDISSEMENT DE PILE À COMBUSTIBLE ET PROCÉDÉ DE COMMANDE D'ENSEMBLE DE REFROIDISSEMENT DE PILE À COMBUSTIBLE

Publication

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Application

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Abstract (en)

[origin: WO2022184361A1] The invention relates to a fuel-cell cooling assembly, comprising at least one fuel cell having cooling channels running therethrough, which are designed to transfer a heat flow from the fuel cell (11) to a first cooling circuit (10), wherein: the first cooling circuit can be operated damage-free with cooling medium at a temperature of up to 200°C; in the first cooling circuit (10), a pump (17) is provided, which is designed to convey cooling medium through the fuel cell (11) and through a high-temperature cooler (18); an interior bypass (9), which can be fluidically connected to an interior heat exchanger (16), is provided parallel to the high-temperature cooler (18) in the cooling circuit (10), the interior heat exchanger (16) being designed to release a heat flow from the cooling medium to an interior of a motor vehicle supplied with energy by the fuel cell (11).

IPC 8 full level

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CPC (source: EP)

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See references of WO 2022184361A1

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