

Title (en)
TUBE WITH RESERVOIR OF PHASE CHANGE MATERIAL FOR AN EVAPORATOR, ASSOCIATED EVAPORATOR AND AIR CONDITIONING ASSEMBLY

Title (de)
ROHR MIT SPEICHERSTOFFRESERVOIR FÜR EINEN VERDAMPFER, ZUGEHÖRIGER VERDAMPFER UND KLIMAANLAGE

Title (fr)
TUBE À RÉSERVOIR DE MATÉRIAU À CHANGEMENT DE PHASE POUR ÉVAPORATEUR, ÉVAPORATEUR ET ENSEMBLE DE CLIMATISATION ASSOCIÉS

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Application
EP 17787475 A 20170927

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Abstract (en)
[origin: WO2018060601A1] The invention relates to a tube (1) for a heat exchange bundle (100) of a vehicle heat exchanger, said tube (1) comprising: - two circulation plates (3) configured to be assembled together in a sealed manner and to form at least one conduit (31) in which a first heat transfer fluid circulates between said circulation plates (3), - at least one reservoir plate (5) comprising cavities (51), said reservoir plate (5) being configured to be assembled in a sealed manner on a face of one of the two circulation plates (3) so as to close the cavities (51), the cavities (51) being projections on the face of the reservoir plate (5) such that a second heat transfer fluid can circulate between the cavities (51), the tube (1) further containing a phase change material stored in the housings formed by the cavities (51), the phase change material having a solidification temperature between 6 and 8 degrees Celsius.

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