

Title (en)

HEAT EXCHANGER DEVICE AND METHOD FOR EXCHANGING HEAT BETWEEN AIR AND A FLUID GUIDED IN A HEAT EXCHANGER

Title (de)

WÄRMEAUSTAUSCHEREINRICHTUNG UND VERFAHREN ZUM AUSTAUSCH VON WÄRME ZWISCHEN LUFT UND EINEM IN EINEM WÄRMEÜBERTRAGER GEFÜHRTEN FLUID

Title (fr)

DISPOSITIF ÉCHANGEUR DE CHALEUR ET PROCÉDÉ D'ÉCHANGE DE CHALEUR ENTRE L'AIR ET UN FLUIDE GUIDÉ DANS UN ÉCHANGEUR DE CHALEUR

Publication

**EP 3625507 A1 20200325 (DE)**

Application

**EP 18730978 A 20180507**

Priority

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- EP 2018061661 W 20180507

Abstract (en)

[origin: WO2018210596A1] The invention relates to a heat exchanger device for exchanging heat between air and a fluid guided in at least one heat exchanger (1), said device comprising a housing (2) with at least one inflow opening (3) and at least one outflow opening (4), at least one heat exchanger (1) being arranged in the housing and the or each heat exchanger (1) comprising a flow surface via which an air flow flows into the heat exchanger (1). In order to homogenise the air flowing over the flow surface of the or each heat exchanger, at least one air-guiding element (5) is associated with each heat exchanger (1), said air-guiding element being arranged inside the cross-section (Q) of the flow surface of the respective heat exchanger (1), where the air flows, splitting the air flow flowing through the inflow opening (3) into at least two partial flows (S1, S2) and deflecting at least one partial flow (S1) towards the respective heat exchanger (1).

IPC 8 full level

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CPC (source: EP RU US)

**F24F 1/0063** (2019.01 - EP US); **F24F 13/08** (2013.01 - EP); **F24F 13/30** (2013.01 - EP RU); **F28F 9/22** (2013.01 - RU)

Citation (search report)

See references of WO 2018210596A1

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