

Title (en)

HEAT EXCHANGER, METHOD FOR OPERATING A HEAT EXCHANGER, METHOD FOR PRODUCING A HEAT EXCHANGER, GAS REFRIGERATION MACHINE COMPRISING A HEAT EXCHANGER AS A RECUPERATOR, DEVICE FOR TREATING GAS, AND VENTILATION AND AIR CONDITIONING DEVICE

Title (de)

WÄRMETAUSCHER, VERFAHREN ZUM BETREIBEN EINES WÄRMETAUSCHERS, VERFAHREN ZUM HERSTELLEN EINES WÄRMETAUSCHERS, GASKÄLTEMASCHINE MIT EINEM WÄRMETAUSCHER ALS REKUPERATOR, VORRICHTUNG ZUM BEHANDELN VON GAS UND RAUMLUFTTECHNISCHES GERÄT

Title (fr)

ÉCHANGEUR DE CHALEUR, PROCÉDÉ D'ACTIONNEMENT D'UN ÉCHANGEUR DE CHALEUR, PROCÉDÉ DE PRODUCTION D'UN ÉCHANGEUR DE CHALEUR, MACHINE FRIGORIFIQUE À GAZ COMPRENANT UN ÉCHANGEUR DE CHALEUR EN TANT QUE RÉCUPÉRATEUR, DISPOSITIF DE TRAITEMENT DE GAZ, ET DISPOSITIF DE VENTILATION ET DE CLIMATISATION

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Abstract (en)

[origin: WO2022175411A1] The invention relates to a heat exchanger having the following features: a first number of channels (101a, 101b, 101c) for a first fluid, which extend in a first flow direction of the first fluid and in a first transverse direction, wherein the first transverse direction varies in the first flow direction; a second number of channels (102a, 102b, 102c) for a second fluid, which extend in a second flow direction of the second fluid and in a second transverse direction, wherein the second transverse direction varies in the second flow direction; a wall structure (200a-200e, 202a-202d), which is designed such that the first number of channels and the second number of channels thermally interact and such that the first transverse direction or the second transverse direction in a first position of the heat exchanger with respect to the first or second flow direction is different from a first or second transverse direction in a second position of the heat exchanger with respect to the first or second flow direction.

IPC 8 full level

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