

Title (en)

PLATE HEAT EXCHANGER AND DISTRIBUTOR FOR PLATE HEAT EXCHANGER

Title (de)

PLATTENWÄRMETAUSCHER UND VERTEILER FÜR PLATTENWÄRMETAUSCHER

Title (fr)

ÉCHANGEUR DE CHALEUR À PLAQUES ET DISTRIBUTEUR POUR ÉCHANGEUR DE CHALEUR À PLAQUES

Publication

EP 3978856 A4 20230614 (EN)

Application

EP 20818340 A 20200601

Priority

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Abstract (en)

[origin: EP3978856A1] The present invention includes: a heat exchanger body including a plurality of heat transfer plates stacked on each other in a certain direction to form a plurality of first flow channels; and a distributor to allow a first fluid medium to be distributed. The plurality of heat transfer plates respectively have through holes at positions corresponding to each other. The through holes are lined up to form a communicating space communicating with the plurality of first flow channels. The distributor has a tubular wall defining a hollow portion and including a plurality of tubular portions overlapped with each other in their thickness direction. The tubular wall has a distributing flow channel in two or more of the plurality of tubular portions. The distributing flow channel includes: a distributing portion allowing the first fluid medium that has flown through the hollow portion to be distributed to one side and an other side in the certain direction; and a plurality of outflow portions each communicating with the one side and the other side of the distributing portion and communicating with the communicating space or the plurality of first flow channels.

IPC 8 full level

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Citation (search report)

- [A] JP H0486492 A 19920319 - HISAKA WORKS LTD
- [A] EP 2977707 B1 20170412 - HAMILTON SUNDSTRAND SPACE SYS [US]
- [A] US 2014345837 A1 20141127 - ALAHYARI ABBAS A [US], et al
- [A] JP 5123203 B2 20130123
- [A] US 5651268 A 19970729 - AIKAWA YASUKAZU [JP], et al
- See references of WO 2020246412A1

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DOCDB simple family (application)

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