

Title (en)

METHOD AND HEAT EXCHANGER FOR DIRECTING A HEATING MEDIUM INTO A SORPTION HEAT PUMP

Publication

EP 0028343 A3 19810527 (DE)

Application

EP 80106362 A 19801020

Priority

- DE 2944654 A 19791106
- DE 3010601 A 19800320

Abstract (en)

[origin: EP0028343A2] A process for feeding the heating medium in countercurrent to the solvent and/or refrigerant circulated in a sorption heat pump and a heat exchanger for carrying out the process. For optimum utilisation of the heat available at the absorber and condenser or resorber, according to the invention the heating medium is alternated between heat exchange with parts of the absorber and of the condenser or resorber. The heating medium to be heated in each case initially enters into heat exchange with a condenser or resorber zone and then flows through at least one absorber and condenser or resorber zone. Depending on the material pair and the operating conditions, the last exchanger zone is either a condenser zone or an absorber zone or, if provided, the dephlegmator. Therefore, the number of regions of the heat exchanger through which the heating medium flows, which regions preferably comprise concentric tube coils, is at least three, preferably five or seven, if a condenser zone forms the last heat exchanger zone for the heating medium, at least four if an absorber zone forms the last zone and at least five if the dephlegmator forms the last zone. <IMAGE>

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F24J 3/04

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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