Title (en)

METHOD OF OPERATING A BIVALENT ABSORPTION HEAT PUMP, AND ABSORPTION HEAT PUMP FOR CARRYING OUT THIS METHOD

Publication

EP 0096822 A3 19840725 (DE)

Application

EP 83105566 A 19830607

Priority

DE 3222067 A 19820611

Abstract (en)

[origin: US4464907A] In an absorption heat pump capable of bivalent operation, to make possible a combined operation in addition to the pure heat pump operation and the pure boiler operation, it is proposed to divide the refrigerant stream after the condenser and the stream of weak solution leaving the boiler, with one component stream of the refrigerant being fed through the refrigerant throttle and the vaporizer to a low-pressure absorber, into which a component stream of the weak solution is introduced through the temperature changer and the solvent throttle, while the other component stream of the refrigerant is fed either directly to the boiler or to a high-pressure absorber, to which the other component stream of the weak solution is fed directly in both cases, and to feed the strong solution from the low-pressure absorber through the temperature changer and/or the reflux condenser to the boiler, but on the other hand to feed the solution from the high-pressure absorber directly to the boiler.

IPC 1-7

F24J 3/04

IPC 8 full level

F24J 3/00 (2006.01); **F25B 30/04** (2006.01)

CPC (source: EP US)

F25B 30/04 (2013.01 - EP US)

Citation (search report)

- [A] DE 2908423 A1 19800911 - ALEFELD GEORG
- [AD] DE 2856767 A1 19800717 - ALEFELD GEORG
- [AD] DE 2758773 A1 19790705 - SCHNEIDER KG ASK A
- [A] US 2272871 A 19420210 - MCGRATH WILLIAM L

Designated contracting state (EPC)

AT BE CH DE FR LI LU NL

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EP 0096822 A2 19831228; **EP 0096822 A3 19840725**; **EP 0096822 B1 19861001**; AT E22612 T1 19861015; CA 1206766 A 19860702; DE 3222067 A1 19831215; DE 3366562 D1 19861106; DK 158322 B 19900430; DK 158322 C 19901001; DK 266383 A 19831212; DK 266383 D0 19830610; US 4464907 A 19840814

DOCDB simple family (application)

EP 83105566 A 19830607; AT 83105566 T 19830607; CA 430115 A 19830610; DE 3222067 A 19820611; DE 3366562 T 19830607; DK 266383 A 19830610; US 50026983 A 19830602