

Title (en)
A TANDEM HEAT PUMP

Publication
EP 0105603 A3 19850807 (EN)

Application
EP 83305035 A 19830831

Priority
GB 8225142 A 19820903

Abstract (en)
[origin: EP0105603A2] An apparatus suitable for pumping heat is described in which an absorption heat pump comprising a generator (1), a condenser (4), an evaporator (3) and an absorber (2) is coupled to an adsorption heat pump (16) comprising an adsorber (19) and an evaporator/condenser (20) and wherein there are means (8) for transferring heat of condensation from the condenser (4) of the absorption heat pump alternately to the external load (28, 29) and to the evaporator/condenser (20) of the adsorption heat pump (16). There are means (18) for transferring heat of adsorption and sensible heat from the adsorption heat pump (16) to the generator (1) of the absorption heat pump.

IPC 1-7
F25B 29/00

IPC 8 full level
F25B 29/00 (2006.01)

CPC (source: EP)
F25B 29/006 (2013.01)

Citation (search report)

- [Y] EP 0026257 A2 19810408 - ALEFELD GEORG [DE]
- [Y] FR 747191 A 19330612 - SIEMENS AG
- [A] EP 0035871 A1 19810916 - THERMAL ENERGY STORAGE INC [US]
- [XP] GB 2114730 A 19830824 - EXXON RESEARCH ENGINEERING CO
- [A] FR 2495497 A1 19820611 - EXXON RESEARCH ENGINEERING CO [US]
- [A] GB 2076523 A 19811202 - EXXON RESEARCH ENGINEERING CO

Cited by
DE4438427A1; DE4438427C2

Designated contracting state (EPC)
BE DE FR GB IT NL SE

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EP 0105603 A2 19840418; EP 0105603 A3 19850807; GB 2126706 A 19840328; GB 2126706 B 19860205; NO 833154 L 19840305

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