

Title (en)

Absorption heat pump and method for operating an absorption heat pump

Title (de)

Absorptionswärmepumpe und Verfahren zum Betrieb einer Absorptionswärmepumpe

Title (fr)

Pompe à chaleur à absorption et procédé de fonctionnement d'une pompe à chaleur à absorption

Publication

EP 1045214 B1 20060524 (DE)

Application

EP 00104384 A 20000302

Priority

DE 19916907 A 19990414

Abstract (en)

[origin: EP1045214A2] A burner (2) vaporises a refrigerant solution into an condenser (13) containing a heat exchanger feeding a radiator (34) and absorber (6) back to the boiler (1) in a closed circuit. Refrigerant then passes through a throttle valve (12) and an evaporator (11) to provide cooling. The system is controlled by a regulator (17) according to data from an outside thermostat (14), a back flow thermostat (15) a forward flow thermostat (16).

IPC 8 full level

F25B 49/04 (2006.01); **F25B 15/00** (2006.01); **F25B 30/04** (2006.01)

CPC (source: EP US)

F25B 49/043 (2013.01 - EP US); **F25B 30/04** (2013.01 - EP US)

Cited by

CN104989472A; CN105019954A; CN103940142A; CN104963733A; DE10154032B4; CN104929704A; EP1136773A3; CN103471281A; CN103471282A; CN103486757A; WO2014161367A1; WO2014161368A1; EP3933304A1; DE102020117462A1

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EP 1045214 A2 20001018; **EP 1045214 A3 20020821**; **EP 1045214 B1 20060524**; AT E327486 T1 20060615; DE 19916907 A1 20001026; DE 19916907 C2 20021205; DE 50012799 D1 20060629; US 6332328 B1 20011225

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EP 00104384 A 20000302; AT 00104384 T 20000302; DE 19916907 A 19990414; DE 50012799 T 20000302; US 54771700 A 20000411