

Title (en)
HEAT PUMP SYSTEM

Title (de)
WÄRMEPUMPENSYSTEM

Title (fr)
SYSTEME DE POMPE A CHALEUR

Publication
EP 1490636 A1 20041229 (EN)

Application
EP 03706656 A 20030304

Priority
• FI 0300158 W 20030304
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Abstract (en)
[origin: WO03074953A1] A heat pump system, wherein the flowing speed of the heating circuit liquid is adjusted in the condenser to regulate the temperature of the heating circuit liquid. The system also includes a sub-cooling heat exchanger for sub-cooling the refrigerant after the condenser to the ground heat collection circuit liquid. Domestic hot water is produced in two phases: in the first phase water is pre-heated with the heat absorbed from the refrigerant in the condenser. A super-heat exchanger is provided for heating the domestic hot water to its final high temperature in the second phase. The super-heat exchanger includes a flowing tube which is used to control the position of the condensing point of the refrigerant vapor and to remove the excessive super-heat to a heat accumulator when domestic hot water is not used.

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F25B 49/02; **F25B 40/00**; **F25B 30/02**

IPC 8 full level
F25B 49/02 (2006.01); **F24D 11/02** (2006.01); **F24D 17/02** (2006.01); **F24D 19/10** (2006.01); **F25B 30/02** (2006.01); **F25B 40/00** (2006.01); **F25B 40/04** (2006.01); **F25B 49/00** (2006.01)

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Citation (search report)
See references of WO 03074953A1

Cited by
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