

Title (en)
HOT-WATER HEATING PLANT WITH HEAT PUMP AND HEAT BUFFER

Publication
EP 0049503 B1 19840620 (DE)

Application
EP 81107879 A 19811003

Priority
DE 3037637 A 19801004

Abstract (en)
[origin: EP0049503A2] 1. A hot-water heating plant with heat pump (18) the condenser (8) of which consists of a double-tube heat exchanger (9, 10) whose internal tube (9) is connected to a heat buffer (1) in the circuit via a recirculating pump (13), the buffer consisting of a vertical tank (2) filled with heating water and provided with connections for heating water supply (6) and reflux (7), characterized by the fact that the condenser (8) is arranged in the upper zone of the buffer tank (2) and its internal tube (9) discharges with a multiplicity of outlet openings into the upper zone of the tank (2), while the recirculating pump (13) sucks up from the lower zone of the tank (2), and that the delivery capacity of the recirculating pump (13) can be adjusted in dependence on the refrigerant pressure in the external tube (10) of the condenser (8) in such a way that the refrigerant pressure is kept at a constant level in operation.

IPC 1-7
F24D 11/02; **F24D 17/00**; **F24H 1/18**

IPC 8 full level
F24D 11/02 (2006.01); **F24D 17/00** (2006.01); **F24D 17/02** (2006.01); **F24H 1/18** (2006.01); **F24H 4/04** (2006.01)

CPC (source: EP)
F24D 11/0214 (2013.01); **F24D 17/02** (2013.01); **F24H 4/04** (2013.01)

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EP 0049503 A2 19820414; **EP 0049503 A3 19820526**; **EP 0049503 B1 19840620**; AT E8074 T1 19840715; DE 3037637 A1 19820506; DE 3037637 C2 19830428

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