

Title (en)

HEAT PUMP HEATING DEVICE WITH A FLUE GAS OR AN EXHAUST GAS COOLER

Publication

EP 0159379 B1 19880420 (DE)

Application

EP 84104616 A 19840425

Priority

EP 84104616 A 19840425

Abstract (en)

[origin: EP0159379A1] 1. A heat pump heating installation, in which flue gas or exhaust gas (R) from a boiler (1) is passed through a heat exchanger (8), through which a heat transfer medium circuit also passes which is passed through a radiator (87, 87b) which on the other side is an evaporator (7, 7b) of a compressor-heat pump (52), via the condenser (5) of which the return of a heating circuit (2) also passes, and which includes an air heat exchanger (6) which is coupled on the evaporator side to the heat pump (52), characterized in that the evaporator (7, 76) forms with the radiator (87, 87b) a common air heat exchanger (100) through which the circuit of the heat pump (52) and the heat transfer medium circuit pass separated from one another in respect of their flow but thermally coupled.

IPC 1-7

F24D 3/00; **F24D 11/02**; **F24D 19/10**

IPC 8 full level

F24D 19/10 (2006.01); **F24H 4/02** (2006.01); **F25B 5/02** (2006.01)

CPC (source: EP US)

F24D 19/1039 (2013.01 - EP US); **F24H 4/02** (2013.01 - EP); **F25B 5/02** (2013.01 - EP)

Cited by

AT13731U1; CN105222335A; CN109507009A; CN113719852A; CN113994834A; CN114877735A; EP2902713A1; WO9516885A1

Designated contracting state (EPC)

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