

Title (en)

Installation with a heat pump and an accumulator

Title (de)

Anlage mit einer Wärmepumpe und einem Speicher

Title (fr)

Installation avec pompe à chaleur et accumulateur

Publication

**EP 0969255 B1 20040915 (DE)**

Application

**EP 99111775 A 19990618**

Priority

- DE 19829334 A 19980701
- DE 19925827 A 19990607

Abstract (en)

[origin: EP0969255A2] The compressor (22), high temperature heat transmitter (24), expansion device (26) and low temperature heat transmitter (28) are all joined together in a circuit, through which carbon dioxide flows as work medium. The high temperature heat transmitter of the heat pump (18) is arranged in the floor-side area (30) of the temperature-layered accumulator (20). It is a counterflow heat transmitter in a container. A rise pipe (36) connects to the upper side of the container (34) and extends with an outlet (38) to the upper side area (40) of the accumulator. The high temperature heat transmitter is preferably formed as a lamella tube bundle heat transmitter. In the rise pipe is a device for regulating the volume flow of the storage fluid (32) to be heated.

IPC 1-7

**F24H 4/04**

IPC 8 full level

**F24H 4/04** (2006.01); **F25B 9/00** (2006.01)

CPC (source: EP)

**F24H 4/04** (2013.01); **F24H 9/0015** (2013.01); **F24H 9/0021** (2013.01); **F25B 9/008** (2013.01); **F25B 2309/061** (2013.01)

Cited by

DE10161254A1; EP1865266A1; EP1431674A1; CN103124880A; US2013161404A1; AU2011288113B2; CN105546819A; US6708513B2; WO2012020404A3

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