

Title (en)

Reversible heat pump device and method for its operation

Title (de)

Reversible Wärmepumpenvorrichtung sowie Verfahren zu deren Betrieb

Title (fr)

Dispositif de pompe à chaleur réversible et son procédé de fonctionnement

Publication

**EP 2602571 B1 20140917 (DE)**

Application

**EP 12195447 A 20121204**

Priority

DE 102011120176 A 20111206

Abstract (en)

[origin: EP2602571A1] The device (1) has periphery heat exchanger (11) and air heat exchanger (12) which are arranged in the main circuit (2). An expansion valve (32) in series to expansion valve (31) is arranged in the expansion valve line (212). A hot-water heat exchanger (13) is connected with the additional compressor (22) through a feed line (131), and an expansion valve (33) is flow-connected to main circuit through return line (132). The feed line is flow-connected to the main compressor line (211), and the return line between expansion valves (31,32) is flow-connected with expansion valve line. An independent claim is included for method for operating reversible heat pump device.

IPC 8 full level

**F25B 1/10** (2006.01); **F25B 6/02** (2006.01); **F25B 13/00** (2006.01); **F25B 30/02** (2006.01)

CPC (source: EP)

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Cited by

EP3336450A1; US10520235B2; US11353252B2

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