

Title (en)

HEAT PUMP ARRANGEMENT AND METHOD FOR OPERATING A HEAT PUMP ARRANGEMENT

Title (de)

WÄRMEPUMPENANORDNUNG UND VERFAHREN ZUM BETRIEB EINER WÄRMEPUMPENANORDNUNG

Title (fr)

SYSTÈME DE POMPE À CHALEUR ET PROCÉDÉ POUR FAIRE FONCTIONNER UN SYSTÈME DE POMPE À CHALEUR

Publication

**EP 2932168 B1 20190220 (DE)**

Application

**EP 13811396 A 20131128**

Priority

- DE 102012024577 A 20121217
- EP 2013074953 W 20131128

Abstract (en)

[origin: WO2014095290A1] The invention relates to a heat pump arrangement and a method for operating such a heat pump arrangement. The heat pump arrangement comprises a refrigerant circuit (2) and a heating circuit (3), with a pump (11) conveying a heat transfer medium, the two circuits being connected to one another so as to transfer heat via a heat exchanger (7). At least one exterior heat exchanger (4) and a compressor (5) are arranged in the refrigerant circuit (2), the heating circuit (3) having at least one heat consumer (12) and/or a hot water tank heater (14). In order to enable a functional extension of existing installations and be able to use absorbed heat in cooling mode, at least one direct evaporator (15) is arranged in the refrigerant circuit (2) in parallel with the heat exchanger (7) and the exterior heat exchanger (4).

IPC 8 full level

**F25B 29/00** (2006.01); **F25B 13/00** (2006.01)

CPC (source: EP)

**F25B 13/00** (2013.01); **F25B 29/003** (2013.01); **F25B 2313/021** (2013.01); **F25B 2313/02741** (2013.01); **F25B 2339/047** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**DE 102012024577 A1 20140618**; EP 2932168 A1 20151021; EP 2932168 B1 20190220; WO 2014095290 A1 20140626

DOCDB simple family (application)

**DE 102012024577 A 20121217**; EP 13811396 A 20131128; EP 2013074953 W 20131128