

Title (en)

Tempering unit on a heat pump basis

Title (de)

Temperiereinrichtung auf Wärmepumpenbasis

Title (fr)

Installation d'équilibrage de la température à base de pompe thermique

Publication

EP 2026019 A3 20100825 (DE)

Application

EP 07023280 A 20071130

Priority

DE 202007011546 U 20070817

Abstract (en)

[origin: EP2026019A2] The unit has a cooling medium circuit (K) in which a compressor (1), a plate heat exchanger (2), an expansion valve (5), an evaporator (6) and a condenser in a form of another plate heat exchanger (3) are arranged in series connection. The heat exchanger (2) is provided for heat dissipation in the medium circuit. Connection lines of the medium circuit or a heat transmission medium circuit (W) are guided to the heat exchanger (3) by switching valves (96, 97), which are switchable for reversal of a flow direction of a cooling medium and a heat transmission medium in the heat exchanger (3).

IPC 8 full level

F25B 13/00 (2006.01); **F25B 29/00** (2006.01); **F25B 30/02** (2006.01)

CPC (source: EP)

F24D 11/0214 (2013.01); **F25B 29/003** (2013.01); **F24D 3/08** (2013.01)

Citation (search report)

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- [Y] DE 19740398 A1 19990311 - VNG VERBUNDNETZ GAS AG [DE]
- [AD] DE 202006010412 U1 20060914 - KROLL MARKUS [DE], et al

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DE102016113630A1; EP2500676A1; DE102019001642A1; EP2860469A1; DE102016113630B4; WO2015053630A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

DE 202007011546 U1 20090102; EP 2026019 A2 20090218; EP 2026019 A3 20100825; WO 2009024282 A2 20090226; WO 2009024282 A3 20090618

DOCDB simple family (application)

DE 202007011546 U 20070817; EP 07023280 A 20071130; EP 2008006669 W 20080813