

Title (en)

Method for operating a heat pump with an air-brine heat exchanger in a brine circuit

Title (de)

Verfahren zum Betreiben einer Wärmepumpe mit einem Luft-Sole-Wärmetauscher in einem Solekreislauf

Title (fr)

Procédé de fonctionnement d'une pompe à chaleur dotée d'un échangeur de chaleur saumure-air dans un circuit de saumure

Publication

EP 2505927 A3 20140115 (DE)

Application

EP 12001262 A 20120225

Priority

AT 4322011 A 20110328

Abstract (en)

[origin: EP2505927A2] The method involves providing a circulation pump (5), an air-brine heat exchanger (3), an evaporator (6) and a heating element (8) in a brine circuit (4). Ambient air temperature is detected by a temperature sensor (1). The air-brine heat exchanger is provided with a blower (7) for conveying ambient air through the heat exchanger. The blower is switched-off and the heating element is switched-on during shortfall of preset temperature. The heating element is alternatively switched-on and switched-off.

IPC 8 full level

F24D 19/10 (2006.01)

CPC (source: EP US)

F24D 19/1039 (2013.01 - EP US); **F24D 2220/042** (2013.01 - EP)

Citation (search report)

- [X] DE 10318134 A1 20031127 - DENSO CORP [JP]
- [X] EP 1248055 A2 20021009 - VAILLANT GMBH [DE]
- [X] AT 507709 A1 20100715 - VKR HOLDING AS [DK]
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CN111998431A

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2505927 A2 20121003; **EP 2505927 A3 20140115**; **EP 2505927 B1 20151216**; DK 2505927 T3 20160215; ES 2561284 T3 20160225; PL 2505927 T3 20160429

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