

Title (en)  
HEAT PUMP APPARATUS

Title (de)  
WÄRMEPUMPENVORRICHTUNG

Title (fr)  
APPAREIL DE POMPE À CHALEUR

Publication  
**EP 3760948 A4 20210310 (EN)**

Application  
**EP 18908186 A 20180227**

Priority  
JP 2018007312 W 20180227

Abstract (en)  
[origin: EP3760948A1] In a heat pump apparatus, a compressor configured to compress a refrigerant, a first heat exchanger configured to exchange heat between the refrigerant compressed by the compressor and a liquid heating medium, a decompression apparatus configured to decompress the refrigerant having passed through the first heat exchanger, a second heat exchanger configured to exchange heat between the refrigerant decompressed in the decompression apparatus and air, and a fan configured to blow air to the second heat exchanger are housed in a cabinet. The cabinet is partitioned into a fan room in which the fan is installed, and a machine room in which the compressor is installed by a partition plate which extends in a vertical direction. The second heat exchanger is installed along a rear surface of the cabinet in the fan room. The first heat exchanger is installed below the compressor in the machine room.

IPC 8 full level  
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**F25B 30/02** (2013.01); **F25B 31/006** (2013.01); **F25B 39/04** (2013.01); **F28D 7/02** (2013.01); **F25B 2339/047** (2013.01); **F25B 2500/09** (2013.01); **F25B 2500/12** (2013.01)

Citation (search report)

- [YD] JP 2012184892 A 20120927 - MITSUBISHI ELECTRIC CORP
- [Y] JP 2006090658 A 20060406 - DENSO CORP
- [Y] JP 2010032175 A 20100212 - HITACHI APPLIANCES INC
- [Y] JP 2008224072 A 20080925 - MATSUSHITA ELECTRIC IND CO LTD
- [Y] JP 2013113450 A 20130610 - MITSUBISHI ELECTRIC CORP
- [A] WO 2016174826 A1 20161103 - PANASONIC IP MAN CO LTD [JP]
- See references of WO 2019167136A1

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

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