

Title (en)

HOUSING CHAMBER FOR THE REFRIGERANT CIRCUIT OF A HEAT PUMP, EQUIPPED WITH ANTI-SURGE MEANS

Title (de)

MIT STOSSSCHUTZMITTELN AUSGESTATTETE GEHÄUSEKAMMER FÜR DEN KÄLTEMITTELKREISLAUF EINER WÄRMEPUMPE

Title (fr)

CHAMBRE DE LOGEMENT POUR LE CIRCUIT DE FLUIDE FRIGORIGÈNE D'UNE POMPE À CHALEUR, ÉQUIPÉE DE MOYENS ANTI-SURTENSION

Publication

EP 4177546 A1 20230510 (EN)

Application

EP 22202457 A 20221019

Priority

IT 202100028301 A 20211108

Abstract (en)

The present invention relates to a housing chamber (1) for the components of the refrigeration circuit of a heat pump (HP), said chamber (1) being provided with means to prevent the temperature therein from reaching levels unsuitable for the correct operation of the circulation pump (P) and expansion valve (EXP) housed therein. In said chamber (1) there is a thermo-insulating casing (2) adapted to enclose therein the aforementioned circulation pump (P) and a large part of the additional accumulator (SA).

IPC 8 full level

F25B 43/00 (2006.01); **F24D 3/02** (2006.01); **F24D 3/18** (2006.01); **F24D 19/06** (2006.01); **F24H 4/02** (2022.01); **F24H 9/02** (2006.01)

CPC (source: EP)

F24D 19/062 (2013.01); **F25B 43/006** (2013.01); **F24D 3/02** (2013.01); **F24D 3/18** (2013.01); **F24H 4/02** (2013.01); **F25B 2339/047** (2013.01)

Citation (applicant)

US 151018 A 18740519

Citation (search report)

- [XAI] JP 2008196776 A 20080828 - MITSUBISHI ELECTRIC CORP
- [A] EP 3358272 A1 20180808 - DAIKIN IND LTD [JP]
- [A] EP 3217123 A1 20170913 - PANASONIC IP MAN CO LTD [JP]

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 LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4177546 A1 20230510

DOCDB simple family (application)

EP 22202457 A 20221019