

Title (en)
A FREEZING APPARATUS

Title (de)
TIEFKÜHLGERÄT

Title (fr)
DISPOSITIF DE CONGÉLATION

Publication
EP 2019276 B1 20200108 (EN)

Application
EP 07743278 A 20070514

Priority
• JP 2007059843 W 20070514
• JP 2006135252 A 20060515

Abstract (en)
[origin: EP2019276A1] An object is to provide a refrigeration apparatus capable of measuring a temperature in a storage chamber or the like by use of a measurement hole without influencing an installation environment. A refrigeration apparatus 1 of the present invention includes a low-temperature-side refrigerant circuit 38 constituted of a compressor 20, an evaporation pipe 62 and the like, a storage chamber 4 constituted in an insulating box body 2 is cooled to an extremely low temperature by the evaporation pipe 62, the refrigeration apparatus further includes a mechanical chamber 3 which is constituted by the side of the insulating box body 2 and in which the compressor 20 and the like are installed, and a measurement hole 19 communicating with the inside of the storage chamber 4 is constituted in the side wall of the insulating box body 2 on a mechanical chamber 3 side.

IPC 8 full level
F25D 23/00 (2006.01); **F25D 19/00** (2006.01); **F25D 23/06** (2006.01); **F25D 29/00** (2006.01)

CPC (source: EP KR US)
F25B 9/006 (2013.01 - EP US); **F25D 19/00** (2013.01 - KR); **F25D 19/02** (2013.01 - EP US); **F25D 23/00** (2013.01 - KR); **F25D 23/06** (2013.01 - KR); **F25D 23/065** (2013.01 - EP US); **F25D 29/00** (2013.01 - KR); **F25D 2201/14** (2013.01 - EP US)

Citation (examination)
• JP S6273046 A 19870403 - SANYO ELECTRIC CO
• JP H06213558 A 19940802 - HITACHI LTD
• JP 2001056284 A 20010227 - FUKUSHIMA INDUSTRIES CORP

Cited by
EP2483609B1

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)
EP 2019276 A1 20090128; EP 2019276 A4 20131225; EP 2019276 B1 20200108; CN 101443613 A 20090527; CN 101443613 B 20110914; JP 2007303791 A 20071122; KR 20090008343 A 20090121; US 2009249823 A1 20091008; WO 2007132802 A1 20071122

DOCDB simple family (application)
EP 07743278 A 20070514; CN 200780017640 A 20070514; JP 2006135252 A 20060515; JP 2007059843 W 20070514; KR 20087027848 A 20081114; US 30070707 A 20070514