

Title (en)
HEAT SOURCE UNIT FOR REFRIGERATION DEVICE

Title (de)
WÄRMEQUELLENEINHEIT FÜR EINE KÜHLVORRICHTUNG

Title (fr)
UNITÉ DE SOURCE DE CHALEUR POUR DISPOSITIF DE RÉFRIGÉRATION

Publication
EP 4001784 A4 20220831 (EN)

Application
EP 20850584 A 20200807

Priority
• JP 2019145394 A 20190807
• JP 2020030412 W 20200807

Abstract (en)
[origin: EP4001784A1] A heat source unit (3) for a refrigeration apparatus (1) includes a casing (50), a heat exchanger (60), and a propeller fan (70). The casing (50) has a back surface and one side surface each having an inlet (53), and a front surface having an outlet (52). A partition plate (51) defining an air passage (A) faces the one side surface of the casing (50). The heat exchanger (60) is provided along the inlet (53). A first distance S1 and a second distance S2 satisfies the relationship " $6 \leq S1/S2$," where the first distance S1 is the shortest distance between an outer peripheral circle (V) of the propeller fan (70) and a second portion (62) of the heat exchanger (60), and the second distance S2 is the shortest distance between the outer peripheral circle (V) of the propeller fan (70) and the partition plate (51).

IPC 8 full level
F24F 1/38 (2011.01); **F24F 1/40** (2011.01); **F24F 1/48** (2011.01); **F24F 1/56** (2011.01)

CPC (source: EP)
F24F 1/38 (2013.01); **F24F 1/40** (2013.01); **F24F 1/48** (2013.01); **F24F 1/56** (2013.01)

Citation (search report)
• [X] JP 2016164468 A 20160908 - MITSUBISHI HEAVY IND LTD
• [A] WO 2017130273 A1 20170803 - MITSUBISHI ELECTRIC CORP [JP]
• [A] JP 2006077585 A 20060323 - MITSUBISHI ELECTRIC CORP
• [A] GB 2566839 A 20190327 - MITSUBISHI ELECTRIC CORP [JP]
• See also references of WO 2021025153A1

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)
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