

Title (en)
REFRIGERATION APPARATUS

Title (de)
KÜHLVORRICHTUNG

Title (fr)
APPAREIL DE RÉFRIGÉRATION

Publication
EP 3872412 A1 20210901 (EN)

Application
EP 21158054 A 20210219

Priority
JP 2020029841 A 20200225

Abstract (en)
To provide a refrigeration apparatus capable of efficiently cooling a cooling apparatus without a shortage of the refrigeration capacity even when a hot water supply temperature is increased. A water pipe 50 includes: a first water pipe 51; a first branch point 52 where the first water pipe 51 branches midway; a first merging point 53; a second water pipe 54 connecting the first branch point 52 and the first merging point 53 through an auxiliary gas cooler 32; a third water pipe 55 connecting the first branch point 52 and the first merging point 53 through an intercooler 30 without merging with the second water pipe 54; a fourth water pipe 56 connecting the first merging point 53 and a main gas cooler 31; and a hot water supply pipe 57 connecting the main gas cooler 31 and a hot water supply destination. A refrigeration apparatus 1 includes a water feeding mechanism 60 disposed in a midway part of the water pipe 50.

IPC 8 full level
F25B 1/10 (2006.01); **F25B 6/04** (2006.01); **F25B 9/00** (2006.01); **F25B 25/00** (2006.01); **F25B 49/02** (2006.01); **F25J 1/02** (2006.01)

CPC (source: EP)
F25B 1/10 (2013.01); **F25B 6/04** (2013.01); **F25B 9/008** (2013.01); **F25B 25/005** (2013.01); **F25B 49/02** (2013.01); **F25B 2339/047** (2013.01); **F25B 2400/072** (2013.01); **F25B 2400/13** (2013.01); **F25B 2600/2509** (2013.01); **F25B 2700/2102** (2013.01); **F25B 2700/21163** (2013.01)

Citation (applicant)
JP S497197 B1 19740219

Citation (search report)
• [X] EP 2407734 A1 20120118 - DAIKIN IND LTD [JP]
• [A] EP 2594865 A1 20130522 - DAIKIN IND LTD [JP]
• [A] EP 2309209 A1 20110413 - DAIKIN IND LTD [JP]
• [A] JP 2001099503 A 20010413 - SANYO ELECTRIC CO

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WO2023075972A1

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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