

Title (en)
Refrigeration cycle apparatus

Title (de)
Kältekreislaufvorrichtung

Title (fr)
Appareil de circuit de réfrigération

Publication
EP 2905562 A1 20150812 (EN)

Application
EP 14198981 A 20110120

Priority
• EP 14198981 A 20110120
• EP 11855961 A 20110120
• JP 2011000283 W 20110120

Abstract (en)
A refrigeration cycle apparatus including a main refrigerant circuit, through which a refrigerant circulates through a compressor 1, a heat-source-side heat exchanger 3, a first flow rate control device 4, and a use-side heat exchanger 5, includes a first gas-liquid separator 20; and a foreign-substance recovery container 8 that recovers a foreign substance contained in the refrigerant. A foreign-substance recovery refrigerant circuit that connects the first gas-liquid separator 20 with the foreign-substance recovery container 8 through a first passage opening and closing device 10 is arranged between a suction side of the compressor 1 and the use-side heat exchanger 5, in parallel with the main refrigerant circuit.

IPC 8 full level
F25B 43/00 (2006.01); **F25B 1/00** (2006.01); **F25B 43/02** (2006.01); **F25B 45/00** (2006.01)

CPC (source: EP)
F25B 43/003 (2013.01); **F25B 43/006** (2013.01); **F25B 43/02** (2013.01); **F25B 2313/006** (2013.01); **F25B 2313/0233** (2013.01); **F25B 2313/02741** (2013.01); **F25B 2400/13** (2013.01); **F25B 2400/18** (2013.01); **F25B 2400/23** (2013.01); **F25B 2500/01** (2013.01)

Citation (applicant)
JP 3521820 B2 20040426

Citation (search report)
• [IA] WO 2010116496 A1 20101014 - MITSUBISHI ELECTRIC CORP [JP], et al
• [Y] JP 2003322436 A 20031114 - MITSUBISHI ELECTRIC CORP
• [Y] EP 0453271 A2 19911023 - MITSUBISHI ELECTRIC CORP [JP]

Cited by
CN113654192A

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

DOCDB simple family (publication)
EP 2667120 A1 20131127; **EP 2667120 A4 20140709**; **EP 2667120 B1 20160817**; EP 2905562 A1 20150812; EP 2905562 B1 20190904; JP 5762441 B2 20150812; JP WO2012098582 A1 20140609; WO 2012098582 A1 20120726

DOCDB simple family (application)
EP 11855961 A 20110120; EP 14198981 A 20110120; JP 2011000283 W 20110120; JP 2012553460 A 20110120