

Title (en)
HEAT SOURCE UNIT FOR REFRIGERATING APPARATUS, AND REFRIGERATING APPARATUS

Title (de)
WÄRMEQUELLENEINHEIT FÜR KÜHLVORRICHTUNG UND KÜHLVORRICHTUNG

Title (fr)
UNITÉ DE SOURCE DE CHALEUR POUR APPAREIL RÉFRIGÉRANT, ET APPAREIL RÉFRIGÉRANT

Publication
EP 2078905 A1 20090715 (EN)

Application
EP 07830389 A 20071023

Priority
• JP 2007070655 W 20071023
• JP 2006294729 A 20061030

Abstract (en)
A heat source circuit (12) includes: a first gas port (31) constantly communicating with a discharge side of a compressor (14); a second gas port (32) constantly communicating with a suction side of the compressor (14); a third gas port (33) selectively communicating with one of a first gas line (25) and a second gas line (26); a liquid port (34) constantly communicating with a liquid inlet/outlet end of a heat-source heat exchanger (15); a first switching mechanism (17) which switches a state of communication of a gas inlet/outlet end of the heat-source heat exchanger (15); and a second switching mechanism (18) which switches a state of communication of a third gas line (27).

IPC 8 full level
F25B 29/00 (2006.01); **F24F 11/02** (2006.01); **F25B 13/00** (2006.01)

CPC (source: EP KR US)
F25B 13/00 (2013.01 - EP KR US); **F25B 2313/006** (2013.01 - EP KR US); **F25B 2313/0215** (2013.01 - EP KR US);
F25B 2313/0231 (2013.01 - EP KR US); **F25B 2313/02742** (2013.01 - EP KR US); **F25B 2313/02743** (2013.01 - EP KR US)

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

DOCDB simple family (publication)
EP 2078905 A1 20090715; EP 2078905 A4 20130327; EP 2078905 B1 20160309; AU 2007315521 A1 20080508; AU 2007315521 B2 20110310;
BR PI0716309 A2 20150519; CN 101529169 A 20090909; CN 101529169 B 20110727; ES 2574090 T3 20160614; JP 2008111589 A 20080515;
JP 4079184 B1 20080423; KR 100989460 B1 20101022; KR 20090089298 A 20090821; RU 2395044 C1 20100720; TW 200827637 A 20080701;
TW I342944 B 20110601; US 2010319376 A1 20101223; WO 2008053752 A1 20080508

DOCDB simple family (application)
EP 07830389 A 20071023; AU 2007315521 A 20071023; BR PI0716309 A 20071023; CN 200780039466 A 20071023; ES 07830389 T 20071023;
JP 2006294729 A 20061030; JP 2007070655 W 20071023; KR 20097009071 A 20071023; RU 2009120525 A 20071023;
TW 96140621 A 20071029; US 44625307 A 20071023