

Title (en)
REFRIGERANT CHARGE STORAGE

Title (de)
KÄLTEMITTELLADUNGSLAGERUNG

Title (fr)
STOCKAGE DE CHARGE REFRIGERANT

Publication
EP 2087298 A4 20120404 (EN)

Application
EP 06838671 A 20061130

Priority
US 2006045823 W 20061130

Abstract (en)
[origin: WO2008066530A2] A refrigeration system includes a compressor, first and second heat exchangers, and an expansion device. A refrigerant recirculating flowpath extends sequentially downstream through the compressor, first heat exchanger, expansion device, and second heat exchanger. The system includes a charge storage system. The charge storage system includes first and second refrigerant storage chambers. At least one valve is coupled to the storage chambers to permit the storage chambers to each be individually placed in alternative communication with the flowpath upstream and downstream of the expansion device.

IPC 8 full level
F25B 9/00 (2006.01); **F25B 45/00** (2006.01)

CPC (source: EP US)
F25B 9/008 (2013.01 - EP US); **F25B 45/00** (2013.01 - EP US); **F25B 2309/061** (2013.01 - EP US); **F25B 2345/004** (2013.01 - EP US); **F25B 2400/16** (2013.01 - EP US); **F25B 2600/17** (2013.01 - EP US)

Citation (search report)

- [X] JP 2002340448 A 20021127 - FUJITSU GENERAL LTD
- [I] JP H09250849 A 19970922 - OGURI YORIYUKI
- [A] US 4554792 A 19851126 - MARGULEFSKY ALLEN L [US], et al
- [A] DE 720735 C 19420514 - PAUL NEUNERT
- See references of WO 2008066530A2

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2008066530 A2 20080605; WO 2008066530 A3 20090430; CN 101548142 A 20090930; CN 101548142 B 20130424; EP 2087298 A2 20090812; EP 2087298 A4 20120404; JP 2010520985 A 20100617; US 2010050668 A1 20100304

DOCDB simple family (application)
US 2006045823 W 20061130; CN 200680056500 A 20061130; EP 06838671 A 20061130; JP 2009539223 A 20061130; US 51625006 A 20061130