

Title (en)
REFRIGERATION DEVICE

Title (de)
KÜHLVORRICHTUNG

Title (fr)
DISPOSITIF DE RÉFRIGÉRATION

Publication
EP 2048457 A4 20150304 (EN)

Application
EP 07791431 A 20070727

Priority
• JP 2007064737 W 20070727
• JP 2006209708 A 20060801

Abstract (en)
[origin: EP2048457A1] An expansion type muffler (30) is provided on the inflow side of an expander (22) in a refrigerant circuit (10). In the refrigerant circuit (10), carbon dioxide is compressed to over its critical pressure, and this refrigerant flows into an expansion passage (32) of the expansion type muffler (30).

IPC 8 full level
F25B 9/06 (2006.01); **F25B 13/00** (2006.01)

CPC (source: EP)
F25B 9/06 (2013.01); **F25B 13/00** (2013.01); **F25B 2309/061** (2013.01); **F25B 2313/0272** (2013.01); **F25B 2313/02741** (2013.01); **F25B 2500/01** (2013.01); **F25B 2500/12** (2013.01)

Citation (search report)
• [XP] EP 1798372 A1 20070620 - DAIKIN IND LTD [JP]
• [Xl] US 4878350 A 19891107 - NESS LEIF A [US]
• [A] JP 2005098663 A 20050414 - SANYO ELECTRIC CO
• See references of WO 2008015965A1

Cited by
EP3828482A1; EP3848651A1

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 2048457 A1 20090415; EP 2048457 A4 20150304; EP 2048457 B1 20160831; JP 2008039199 A 20080221; JP 4904970 B2 20120328; WO 2008015965 A1 20080207

DOCDB simple family (application)
EP 07791431 A 20070727; JP 2006209708 A 20060801; JP 2007064737 W 20070727