

Title (en)
REFRIGERATING DEVICE

Title (de)
KÜHLVORRICHTUNG

Title (fr)
DISPOSITIF FRIGORIFIQUE

Publication
EP 2123996 B1 20180110 (EN)

Application
EP 08710313 A 20080206

Priority
• JP 2008000159 W 20080206
• JP 2007058529 A 20070308

Abstract (en)
[origin: EP2123996A1] A refrigerant circuit (11) in an air conditioner (10) includes a compressor (20) and an expander (30). In the compressor (20), refrigerant compressed by a compression mechanism (21) is discharged into the internal space of a compressor casing (24). In the compressor (20), refrigeration oil which has accumulated in the bottom of the compressor casing (24) is supplied to the compression mechanism (21). The refrigeration oil in the bottom of the compressor casing (24) is directly introduced into an expansion mechanism (31) of the expander (30) through an oil supply pipe (41).

IPC 8 full level
F25B 11/02 (2006.01); **F25B 1/00** (2006.01); **F25B 43/00** (2006.01)

CPC (source: EP KR US)
F04C 18/352 (2013.01 - EP US); **F04C 23/003** (2013.01 - EP US); **F04C 29/028** (2013.01 - EP US); **F25B 1/00** (2013.01 - KR); **F25B 9/06** (2013.01 - EP US); **F25B 11/02** (2013.01 - KR); **F25B 13/00** (2013.01 - EP US); **F25B 31/004** (2013.01 - EP US); **F25B 43/00** (2013.01 - KR); **F25B 1/04** (2013.01 - EP US); **F25B 2309/061** (2013.01 - EP US); **F25B 2313/02742** (2013.01 - EP US)

Cited by
EP3822451A4; EP3273061A1; EP3098542A4; US11519269B2

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
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