

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

Designated contracting state (EPC)  
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)  
**EP 2123996 A1 20091125; EP 2123996 A4 20140430; EP 2123996 B1 20180110**; AU 2008222268 A1 20080912; AU 2008222268 B2 20110526; AU 2008222268 C1 20120329; CN 101627265 A 20100113; CN 101627265 B 20130417; JP 2008224053 A 20080925; JP 5103952 B2 20121219; KR 101096824 B1 20111222; KR 20090112711 A 20091028; US 2010101268 A1 20100429; WO 2008108055 A1 20080912

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