

Title (en)  
REFRIGERATING AIR-CONDITIONING DEVICE

Title (de)  
KÄLTE-KLIMAAANLAGE

Title (fr)  
DISPOSITIF DE CLIMATISATION À RÉFRIGÉRATION

Publication  
**EP 2584285 A4 20140319 (EN)**

Application  
**EP 10853187 A 20100618**

Priority  
JP 2010004088 W 20100618

Abstract (en)  
[origin: US2013061622A1] A refrigerating and air-conditioning apparatus is provided, with which a cold-storage/refrigeration load and air-conditioning loads such as a cooling load and a heating load can be simultaneously processed and a stable heat source can be supplied throughout the year. In the refrigerating and air-conditioning apparatus, heating energy or cooling energy stored in the primary-side refrigerant is usable as an air-conditioning load through the indoor heat exchanger while cooling energy stored in the primary-side refrigerant is transferred to the secondary-side refrigerant circulated in the cold-storage/refrigeration refrigeration cycle through the first refrigerant-refrigerant heat exchanger so as to be usable as a cold-storage/refrigeration load.

IPC 8 full level  
**F25B 7/00** (2006.01); **F25B 1/00** (2006.01); **F25B 29/00** (2006.01)

CPC (source: EP US)  
**F25B 7/00** (2013.01 - EP US); **F25B 2313/0231** (2013.01 - EP US); **F25B 2313/0272** (2013.01 - EP US); **F25B 2313/02741** (2013.01 - EP US); **F25B 2339/047** (2013.01 - EP US); **F25B 2400/13** (2013.01 - EP US); **F25B 2400/23** (2013.01 - EP US)

Citation (search report)  
• [XI] EP 2184563 A1 20100512 - MITSUBISHI ELECTRIC CORP [JP]  
• See references of WO 2011158305A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**US 2013061622 A1 20130314**; CN 102947653 A 20130227; EP 2584285 A1 20130424; EP 2584285 A4 20140319; EP 2584285 B1 20180221; JP WO2011158305 A1 20130815; WO 2011158305 A1 20111222

DOCDB simple family (application)  
**US 201013698057 A 20100618**; CN 201080067484 A 20100618; EP 10853187 A 20100618; JP 2010004088 W 20100618; JP 2012520171 A 20100618