

Title (en)
REFRIGERATING APPARATUS

Title (de)
KÜHLSCHRANK

Title (fr)
APPAREIL FRIGORIFIQUE

Publication
EP 2336675 A1 20110622 (EN)

Application
EP 09817404 A 20090908

Priority
• JP 2009004443 W 20090908
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• JP 2008334264 A 20081226

Abstract (en)
In order to adjust a volume ratio of a compressor (1) in which a plurality of compression mechanisms (20, 30) are mechanically connected together through a single drive shaft (53), in a refrigerating apparatus in which a two-stage compression refrigeration cycle is performed, the compression mechanisms (20, 30) include four cylinder chambers (C1, C2, C3, C4), and switching valves (7a, 7b) are provided, which are configured to change a ratio of a suction volume of the low-pressure compression mechanism to a suction volume of the high-pressure compression mechanism.

IPC 8 full level
F25B 1/10 (2006.01); **F04C 18/32** (2006.01); **F04C 23/00** (2006.01)

CPC (source: EP US)
F04C 18/322 (2013.01 - EP US); **F04C 18/3562** (2013.01 - EP US); **F04C 23/001** (2013.01 - EP US); **F04C 23/008** (2013.01 - EP US); **F04C 28/02** (2013.01 - EP US); **F04C 28/26** (2013.01 - EP US); **F25B 1/10** (2013.01 - EP US); **F25B 41/26** (2021.01 - EP US); **F04C 18/32** (2013.01 - EP US); **F25B 2309/061** (2013.01 - EP US); **F25B 2400/074** (2013.01 - EP US); **F25B 2400/13** (2013.01 - EP US); **F25B 2600/0272** (2013.01 - EP US)

Cited by
CN107002678A; US2021102714A1; US11713888B2; US10309400B2; WO2016035047A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
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