

Title (en)
FREEZING APPARATUS

Title (de)
GEFRIERVORRICHTUNG

Title (fr)
APPAREIL DE CONGÉLATION

Publication
EP 2258992 A1 20101208 (EN)

Application
EP 09718729 A 20090305

Priority
• JP 2009000999 W 20090305
• JP 2008062925 A 20080312

Abstract (en)
In a refrigeration system in which a compressor mechanism including a plurality of compressors, oil separators (37a, 37b) are provided at a discharge pipe (56a) of a first compressor (14a) and a discharge pipe (56b) of a second compressor (14b), respectively. An oil return passageway (32) for returning refrigerating machine oil from the oil separators (37a, 37b) to a compressor mechanism (40) is configured to combine streams of refrigerating machine oil separated in the oil separators (37a, 37b) and distribute the combined refrigerating machine oil to the first compressor (14a) and the second compressor (14b).

IPC 8 full level
F25B 43/02 (2006.01); **F25B 1/00** (2006.01); **F25B 13/00** (2006.01); **F25B 31/00** (2006.01)

CPC (source: EP US)
F25B 13/00 (2013.01 - EP US); **F25B 31/004** (2013.01 - EP US); **F25B 43/02** (2013.01 - EP US); **F25B 2313/006** (2013.01 - EP US); **F25B 2313/007** (2013.01 - EP US); **F25B 2313/023** (2013.01 - EP US); **F25B 2313/02741** (2013.01 - EP US); **F25B 2313/02743** (2013.01 - EP US); **F25B 2400/075** (2013.01 - EP US); **F25B 2600/0251** (2013.01 - EP US)

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 TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2258992 A1 20101208; **EP 2258992 A4 20141112**; **EP 2258992 B1 20190918**; CN 101965491 A 20110202; ES 2761928 T3 20200521; JP 2009216354 A 20090924; JP 4407760 B2 20100203; US 2010326125 A1 20101230; WO 2009113279 A1 20090917

DOCDB simple family (application)
EP 09718729 A 20090305; CN 200980108876 A 20090305; ES 09718729 T 20090305; JP 2008062925 A 20080312; JP 2009000999 W 20090305; US 92102609 A 20090305