

Title (en)
Compressor

Title (de)
Verdichter

Title (fr)
Compresseur

Publication
EP 2020577 A3 20110330 (EN)

Application
EP 08161400 A 20080730

Priority
• KR 20070076579 A 20070730
• KR 20070139286 A 20071227
• KR 20080070336 A 20080718

Abstract (en)
[origin: EP2020577A2] A compressor is provided that includes a casing (10) defining an inner space, a suction pipe (SP) connected to the casing, a discharge pipe (DP) connected to the casing, a motor (20) located at the inner space of the casing, a compressing unit (30) driven by the motor to compress a refrigerant, an oil separating unit (40) configured to separate oil from the refrigerant discharged from the compressing unit, and an oil recollecting unit (50) configured to pump the oil separated by the oil separating unit and recollect the separated oil into the compressor main body.

IPC 8 full level
F25B 31/00 (2006.01)

CPC (source: EP US)
F04C 2/102 (2013.01 - EP US); **F04C 15/06** (2013.01 - EP US); **F04C 23/008** (2013.01 - EP US); **F04C 29/025** (2013.01 - EP US); **F04C 29/026** (2013.01 - EP US); **F25B 31/004** (2013.01 - EP US); **F25B 43/02** (2013.01 - EP US); **F01C 11/004** (2013.01 - EP US); **F04C 29/045** (2013.01 - EP US); **F04C 2210/14** (2013.01 - EP US); **F04C 2240/806** (2013.01 - EP US); **F25B 2400/02** (2013.01 - EP US)

Citation (search report)
• [X] JP 2005240637 A 20050908 - MITSUBISHI HEAVY IND LTD
• [X] US 2007071627 A1 20070329 - LEE DONG-SOO [KR], et al
• [X] EP 0809029 A2 19971126 - SANYO ELECTRIC CO [JP]
• [X] JP 2003139059 A 20030514 - DAIKIN IND LTD
• [X] EP 0949465 A2 19991013 - MATSUSHITA ELECTRIC IND CO LTD [JP]

Cited by
EP2187060A3; US10605504B2; WO2015082867A1; US8342827B2

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

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2020577 A2 20090204; EP 2020577 A3 20110330; EP 2020577 B1 20140924; ES 2507559 T3 20141015; JP 2009030611 A 20090212; US 2009031753 A1 20090205

DOCDB simple family (application)
EP 08161400 A 20080730; ES 08161400 T 20080730; JP 2008195260 A 20080729; US 18198708 A 20080729