

Title (en)
Compressor

Title (de)
Verdichter

Title (fr)
Compresseur

Publication
EP 2884106 A1 20150617 (EN)

Application
EP 14196423 A 20141205

Priority
• JP 2013255239 A 20131210
• JP 2014106292 A 20140522

Abstract (en)
It is an object to provide a compressor which can supply a relatively large amount of oil while preventing shortage of the oil. The compressor includes a sealed container (40), a rotary shaft (2) supported in the sealed container (40), a compression mechanism (20) that compresses a refrigerant upon rotation of the rotary shaft (2), an oil supply conduit (2a) that is formed inside the rotary shaft (2), and allows the oil supplied to the compression mechanism (20) to flow through it, an oil reservoir (11) provided inside the sealed container (40) in its lower portion, oil retaining means (17) having a part disposed in the oil reservoir (11) and the remaining part disposed in the gas space above the oil reservoir (11), and containing a large number of voids to retain the oil, and an oil supply pipe (10) having its one port connected to the oil supply conduit (2a), and its other port disposed in the oil reservoir (11).

IPC 8 full level
F04B 39/02 (2006.01); **F04C 23/00** (2006.01); **F04C 29/02** (2006.01)

CPC (source: EP)
F04B 39/02 (2013.01); **F04B 39/0246** (2013.01); **F04C 18/0215** (2013.01); **F04C 23/008** (2013.01); **F04C 29/023** (2013.01); **F04C 29/028** (2013.01)

Citation (applicant)
• JP 2009162078 A 20090723 - DAIKIN IND LTD
• JP 2011094569 A 20110512 - SAWAFUJI ELECTRIC CO LTD

Citation (search report)
• [YD] JP 2009162078 A 20090723 - DAIKIN IND LTD
• [YD] JP 2011094569 A 20110512 - SAWAFUJI ELECTRIC CO LTD
• [Y] JP H09250465 A 19970922 - HITACHI LTD
• [A] JP 2004316537 A 20041111 - HITACHI LTD
• [A] EP 1347177 A2 20030924 - SANYO ELECTRIC CO [JP]
• [A] EP 1770341 A2 20070404 - SANYO ELECTRIC CO [JP]

Cited by
US11306953B2

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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2884106 A1 20150617; **EP 2884106 B1 20180131**; JP 2015132254 A 20150723; JP 6234324 B2 20171122

DOCDB simple family (application)
EP 14196423 A 20141205; JP 2014106292 A 20140522