

Title (en)
Compressor

Title (de)
Verdichter

Title (fr)
Compresseur

Publication
EP 2050965 A3 20141105 (EN)

Application
EP 08166799 A 20081016

Priority
JP 2007272482 A 20071019

Abstract (en)
[origin: EP2050965A2] A compressor (1) including a hermetic housing (2), a low stage-side compression mechanism (3) and a high stage-side compression mechanism (4) provided in the hermetic housing (2); and an electric motor (21) for driving the low stage-side compression mechanism (3) and the high stage-side compression mechanism (4). The low stage-side compression mechanism (3) is a rotary type compression mechanism, and the high stage-side compression mechanism (4) is a scroll type compression mechanism. The suction shutoff of the scroll type compression mechanism is accomplished when a rotor (34) of the rotary type compression mechanism is at a position (A) corresponding to the bottom dead center, at a position (B) of being rotated through 90 degrees from the bottom dead center, or between the positions (A and B).

IPC 8 full level
F04C 23/00 (2006.01); **F04C 18/02** (2006.01); **F04C 18/356** (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP US)
F04C 18/0215 (2013.01 - EP US); **F04C 18/3564** (2013.01 - EP US); **F04C 23/005** (2013.01 - EP US); **F04C 23/008** (2013.01 - EP US); **F04C 29/025** (2013.01 - EP US); **F04C 2270/12** (2013.01 - EP US)

Citation (search report)
• [AD] JP H0587074 A 19930406 - MITSUBISHI HEAVY IND LTD
• [A] US 5322424 A 19940621 - FUJIO KATUHARA [JP]
• [A] EP 1669542 A1 20060614 - DAIKIN IND LTD [JP]

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 2050965 A2 20090422; EP 2050965 A3 20141105; JP 2009097485 A 20090507; US 2009104060 A1 20090423

DOCDB simple family (application)
EP 08166799 A 20081016; JP 2007272482 A 20071019; US 25178708 A 20081015