

Title (en)
Vane compressor

Title (de)
Flügelzellenverdichter

Title (fr)
Compresseur à palettes

Publication
EP 2410181 A3 20170531 (EN)

Application
EP 11174436 A 20110719

Priority
JP 2010164493 A 20100722

Abstract (en)
[origin: EP2410181A2] Vane compressor capable of easily performing centering in the assembly of the vane compressor forming a housing by the combination of first and second housing members, the first housing member being formed by integrally forming a cylinder forming portion and a side block forming portion blocking one end side of the cylinder forming portion in the axial direction, the second housing member being formed by integrally forming a shell forming portion surrounding the outer peripheral surface of the first housing member and a front side block forming portion blocking the other end side of the cylinder forming portion in the axial direction. A plurality of contacting portions are provided between the first housing member and the second housing member at a predetermined interval in the axial direction of the driving shaft, and the contacting portions include a plurality of protrusions that protrude in the radial direction of the driving shaft and are arranged in the circumferential direction.

IPC 8 full level
F04C 18/344 (2006.01)

CPC (source: EP)
F01C 21/10 (2013.01); **F04C 18/344** (2013.01); **F04C 2230/603** (2013.01)

Citation (search report)

- [AD] WO 2008026494 A1 20080306 - VALEO THERMAL SYS JAPAN CO [JP], et al
- [A] US 4934912 A 19900619 - IIO MASAHIRO [JP], et al
- [A] JP 2008291652 A 20081204 - CALSONIC COMPRESSOR INC

Cited by
CN103511274A; US10066626B2

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 2410181 A2 20120125; EP 2410181 A3 20170531; EP 2410181 B1 20181114; CN 102345603 A 20120208; CN 102345603 B 20150902; JP 2012026330 A 20120209; JP 5364052 B2 20131211

DOCDB simple family (application)
EP 11174436 A 20110719; CN 201110206585 A 20110722; JP 2010164493 A 20100722