Title (en)

Vane compressor

Title (de)

Drehflügelverdichter

Title (fr)

Compresseur à palettes

Publication

EP 2025940 A2 20090218 (EN)

Application

EP 08013463 A 20080725

Priority

JP 2007208016 A 20070809

Abstract (en)

A vane compressor (1) including: a cylinder chamber (3); a rotor (5) rotatably arranged in the cylinder chamber (3); vane grooves (7) provided in the rotor (5) at equal intervals in the circumferential direction thereof; vanes (9) arranged in the vane grooves (7) in a way that the vanes (9) are capable of protruding to, and retracting from, the cylinder chamber (3); and the vane back-pressure chamber (11) communicating with the bottom portions of the vane grooves (7), and configured to apply the back pressure to the vanes (9); and a back-pressure supplying unit (13) configured to transmit the pressure to the vane back-pressure chamber (11), and to push up the vanes to the sliding surface of the cylinder chamber (3) once the activation mode for rotating the rotor (5) is selected.

IPC 8 full level (invention and additional information)

F04C 18/344 (2006.01); **F04C 28/06** (2006.01)

CPC (invention and additional information)

F04C 2/3446 (2013.01); **F01C 21/0863** (2013.01)

Citation (applicant)

- JP 2004190509 A 20040708 - CALSONIC COMPRESSOR SEIZO KK
- JP 2007208016 A 20070816 - DENSO CORP

Cited by

EP2348232A1; DE102013212009A1; WO2012079573A3

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

EP 2025940 A2 20090218; CN 101363438 A 20090211; JP 2009041470 A 20090226; US 2009041606 A1 20090212