

Title (en)
Compressor

Title (de)
Verdichter

Title (fr)
Compresseur

Publication
EP 1643127 A2 20060405 (EN)

Application
EP 05108214 A 20050907

Priority
JP 2004286488 A 20040930

Abstract (en)
A vane compressor comprising: a compression element comprising a cylinder in which a compression space is constituted; a suction port and a discharge port which communicate with the compression space in the cylinder; a support member which closes an opening of the cylinder; a rotary shaft which is rotatably supported by a main bearing as a bearing formed on the support member; a compression member whose one surface crossing an axial direction of the rotary shaft is inclined continuously between a top dead center and a bottom dead center and which is disposed in the cylinder to be rotated by the rotary shaft and which compresses a fluid sucked from the suction port to discharge the fluid via the discharge port; a vane which is disposed between the suction port and the discharge port to abut on one surface of the compression member and which partitions the compression space in the cylinder into a low pressure chamber and a high pressure chamber; and a shaft seal which is disposed on an end portion of the bearing (main bearing) on a side opposite to the compression member and which abuts on the rotary shaft.

IPC 8 full level
F04C 18/356 (2006.01); **F04C 23/00** (2006.01); **F04C 27/00** (2006.01)

CPC (source: EP)
F04C 18/3568 (2013.01); **F04C 23/008** (2013.01); **F04C 27/009** (2013.01); **F04C 2230/41** (2013.01); **F05C 2201/0442** (2013.01); **F05C 2203/08** (2013.01); **F05C 2225/00** (2013.01); **F05C 2225/12** (2013.01)

Citation (applicant)
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• JP 2003532008 A 20031028
• US 5980225 A 19991109 - SOMMER MANFRED [DE]

Citation (examination)
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• US 3195412 A 19650720 - PHILLIPS DELBERT L
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Designated contracting state (EPC)
DE ES FR GB IT

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1643127 A2 20060405; EP 1643127 A3 20120321; CN 100467869 C 20090311; CN 1755117 A 20060405; JP 2006097619 A 20060413

DOCDB simple family (application)
EP 05108214 A 20050907; CN 200510107173 A 20050928; JP 2004286488 A 20040930