

Title (en)  
VANE COMPRESSOR

Title (de)  
FLÜGELZELLENVERDICHTER

Title (fr)  
COMPRESSEUR À PALETTES

Publication  
**EP 3015711 A1 20160504 (EN)**

Application  
**EP 14818134 A 20140617**

Priority  
• JP 2013134474 A 20130627  
• JP 2014065988 W 20140617

Abstract (en)  
To provide a vane type compressor that can appropriately keep the allocation of the clearances at the front and rear ends in the axial direction of the rotor by balancing the forces applied to the front and rear sides of the drive shaft. The clearances at the front and rear ends in the axial direction of a rotor 3 are appropriately allocated by providing, in a drive shaft 2, a passage 52 communicating between a low-pressure space 26 communicating with a suction chamber 29 and a shaft end space 15 partitioned by a rear side block 13 and the end of the drive shaft 2 and balancing the forces applied to the front and rear sides of the drive shaft 2. This prevents the compression efficiency from reducing while ensuring the smooth rotation of the rotor 3.

IPC 8 full level  
**F04C 18/344** (2006.01); **F04C 29/00** (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP)  
**F04C 18/3441** (2013.01); **F04C 29/0021** (2013.01); **F04C 2240/603** (2013.01); **F04C 2270/175** (2013.01)

Citation (search report)  
See references of WO 2014208398A1

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Designated extension state (EPC)  
BA ME

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