

Title (en)  
Structure of channel in variable displacement piston type compressor

Title (de)  
Kanalstruktur für Verdichter variabler Verdrängung

Title (fr)  
Structure de conduit pour compresseur à capacité variable

Publication  
**EP 1283360 A3 20040721 (EN)**

Application  
**EP 02017854 A 20020808**

Priority  
JP 2001244759 A 20010810

Abstract (en)  
[origin: EP1283360A2] A variable displacement piston type compressor has a housing, a drive shaft, a cam plate and a piston. The drive shaft is rotatably supported by the housing. The drive shaft has a first end and a second end. The first end of the drive shaft extends through the housing. The cylinder block is placed between the first end and the second end. The suction chamber and the discharge chamber are defined near the first end relative to the cylinder block. The crank chamber is defined near the second end relative to the cylinder block. The refrigerant in the crank chamber is bled into the suction pressure region through a bleed passage. Thereby, the inclination angle of the cam plate is controlled. The crank chamber and the suction chamber are connected with each other through the bleed passage. The bleed passage is formed outside of the drive shaft. <IMAGE>

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IPC 8 full level  
**F04B 27/08** (2006.01); **F04B 27/10** (2006.01)

CPC (source: EP US)  
**F04B 27/109** (2013.01 - EP US)

Citation (search report)

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