

Title (en)

Swash plate compressor in which pressure in a crank chamber can be readily and rapidly adjusted

Title (de)

Taumelscheibenkompressor mit leichter und rascher Anpassung des Kurbelgehäusedrucks

Title (fr)

Compresseur à plateau de commande oblique avec accomodation facile et rapide de pression en boîte de manivelle

Publication

**EP 0947696 A1 19991006 (EN)**

Application

**EP 99106701 A 19990401**

Priority

JP 9156498 A 19980403

Abstract (en)

In a swash plate compressor in which a compressor casing or a cylinder block (11) defines a crank chamber (16) and rotatably supports a drive shaft (17), pressure in the crank chamber being controlled by passage of refrigerant gas through a clearance portion left between the drive shaft and the cylinder block and through a path portion communicating the crank chamber with the clearance portion, the path portion consists of at least one groove 42 that is formed on the crank chamber-facing surface of the cylinder block to which a thrust bearing 36 contacts, the groove 42 having function of widening the communication. <IMAGE>

IPC 1-7

**F04B 27/18**; **F04B 27/08**

IPC 8 full level

**F04B 39/00** (2006.01); **F04B 27/08** (2006.01); **F04B 27/10** (2006.01); **F04B 27/14** (2006.01); **F04B 27/18** (2006.01)

CPC (source: EP)

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Citation (search report)

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DE FR

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**EP 0947696 A1 19991006**; JP H11294326 A 19991026

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