

Title (en)

Cylinder bore of swash plate compressor with grooves

Title (de)

Zylinderbohrung eines Taumelscheibenkompressors mit Nuten

Title (fr)

Alésages dans le cylindre d'un compresseur à plateau en biais

Publication

**EP 1092873 A2 20010418 (EN)**

Application

**EP 00119831 A 20000912**

Priority

JP 29116999 A 19991013

Abstract (en)

A compressor is constituted so that the refrigerant gas is compressed in a compression chamber, as the rotating movement of a drive shaft is converted to the reciprocating movement of a piston through a cam plate. The object is to offer a compressor in which the weight of the piston can be effectively reduced by hollowing a main body thereof, even when a blow-by gas passage is provided. A groove is formed in the inner circumferential surface of a cylinder bore. The blow-by gas passage which communicates the compression chamber with a crank chamber, is constituted between the groove and the outer circumferential surface of the main body of the piston. <IMAGE>

IPC 1-7

**F04B 27/10**

IPC 8 full level

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CPC (source: EP)

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