

Title (en)

A piston guide means for a compressor

Title (de)

Kolbenführung für einen Taumelscheibenverdichter

Title (fr)

Guide de piston pour un compresseur à plateau en biais

Publication

**EP 1273799 A1 20030108 (EN)**

Application

**EP 01115506 A 20010627**

Priority

EP 01115506 A 20010627

Abstract (en)

A piston guide means for use in a swash plate compressor comprises a piston (10) with a piston head (12) at one end and a foot portion (14) at its other end. The piston head (12) can reciprocate in a cylinder (18) and foot portion (14) accommodates a bearing (16) for a swash or wobble plate arrangement (17) of the compressor. A piston rod (11) extends between the piston head (12) and the foot portion (14) and passes through a plate (20) or similar arrangement. In this way compression of the rod (11) is reduced and wear of the piston (10) caused by axial forces acting thereon as a result of the swash plate arrangement is thereby mitigated.

IPC 1-7

**F04B 27/10**

IPC 8 full level

**F04B 27/10** (2006.01)

CPC (source: EP)

**F04B 27/1036** (2013.01)

Citation (search report)

- [XY] EP 0748936 A1 19961218 - CALSONIC CORP [JP]
- [Y] US 4495855 A 19850129 - MURAKAMI MUNEO [JP], et al
- [Y] US 5549032 A 19960827 - LONG OTTO V [US]
- [X] US 3746475 A 19730717 - JOHNSON R
- [X] US 3817660 A 19740618 - KNOWLES J, et al
- [X] US 4090430 A 19780523 - MATSUMOTO SHIRO, et al

Cited by

WO2006066830A1

Designated contracting state (EPC)

DE FR

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