

Title (en)

Hinge mechanism for variable displacement compressor

Title (de)

Schwenkmechanismus für einen Verdichter variabler Verdrängung

Title (fr)

Mécanisme à charnière pour un compresseur à capacité variable

Publication

EP 1148239 A3 20040225 (EN)

Application

EP 01109145 A 20010412

Priority

JP 2000114806 A 20000417

Abstract (en)

[origin: EP1148239A2] By changing the inclination of a cam plate (19), the stroke of a piston (23) is changed to change the discharge displacement of a compressor. A hinge mechanism (22) is positioned between a rotating support (17) and the cam plate (19). The hinge mechanism includes a guide pin (38), and the guide pin transfers the rotational motion of the rotating support (17) to the cam plate (19) and permits inclination of the cam plate. At least a part of the guide pin (38) is hollow. <IMAGE>

IPC 1-7

F04B 27/10

IPC 8 full level

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CPC (source: EP KR US)

F04B 27/1072 (2013.01 - EP KR US); **F04B 27/1009** (2013.01 - KR); **F04B 27/1081** (2013.01 - KR); **F04B 35/06** (2013.01 - KR)

Citation (search report)

- [X] PATENT ABSTRACTS OF JAPAN vol. 017, no. 544 (M - 1489) 30 September 1993 (1993-09-30)
- [X] PATENT ABSTRACTS OF JAPAN vol. 018, no. 127 (M - 1569) 2 March 1994 (1994-03-02)
- [X] PATENT ABSTRACTS OF JAPAN vol. 018, no. 563 (M - 1693) 27 October 1994 (1994-10-27)

Cited by

EP1602829A3; US8230773B2; US9765764B2; WO2005124150A1

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