

Title (en)

Axial piston compressor in particular CO₂-compressor for a car air-conditioning apparatus

Title (de)

Axialkolbenverdichter, insbesondere CO₂-Verdichter für Kraftfahrzeug-Klimaanlagen

Title (fr)

Compresseur à piston axial en particulier CO₂-compresseur pour installation de climatisation de véhicule

Publication

EP 1464836 A3 20050209 (DE)

Application

EP 04006239 A 20040316

Priority

DE 10315477 A 20030404

Abstract (en)

[origin: EP1464836A2] The device (10) has a swivel plate (107) pivotable relative to and driven by a drive shaft (104) and joined to a sliding sleeve (108) and a supporting element (109), whereby the pistons have linkage arrangements with which the swivel plate is in sliding engagement. The linkage connection (116) between the drive shaft and swivel plate is essentially only for torque transfer and the supporting element is essentially only for axial support of the piston and/or gas pressure.

IPC 1-7

F04B 27/10; F01B 3/00; F04B 1/14

IPC 8 full level

F04B 27/10 (2006.01)

CPC (source: EP US)

F04B 27/1054 (2013.01 - EP US); **F04B 27/1072** (2013.01 - EP US)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 0175, no. 84 (M - 1501) 25 October 1993 (1993-10-25)

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 04006239 A 20040316; DE 10315477 A 20030404; DE 502004002343 T 20040316; EP 06011772 A 20040316; US 81715204 A 20040402