

Title (en)
AXIAL PISTON COMPRESSOR

Title (de)
AXIALKOLBENVERDICHTER

Title (fr)
COMPRESSEUR A PISTONS AXIAUX

Publication
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Application
EP 06753984 A 20060530

Priority
• EP 2006005151 W 20060530
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Abstract (en)
[origin: WO2007019903A1] The invention relates to an axial piston compressor, particularly a compressor for a motor vehicle air conditioning system with at least one piston and an, in particular, annular swash plate (2), which can be adjusted with regard to its inclination to a drive shaft (1), is rotationally driven by the drive shaft (1), and which is connected, particularly in an articulated manner, to at least one supporting element (5) that rotates with the drive shaft (1) while being situated at a distance therefrom. The piston(s) has/have a joint assembly against which the swash plate (2) is in sliding engagement, and the supporting element (5) is actively engaged with a force transmitting element (6) rotating with the drive shaft (1). The supporting element (5) is coupled in a displaceable manner, in a radial direction and/or perpendicular thereto, to a force transmitting element (6), in particular, perpendicular to the drive shaft axis.

IPC 8 full level
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CPC (source: EP US)
F04B 27/1072 (2013.01 - EP US)

Citation (search report)
See references of WO 2007019903A1

Citation (examination)
• US 6705841 B2 20040316 - PAWELSKI THOMAS [DE], et al
• US 4175915 A 19791127 - BLACK DENNIS A [US], et al

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DOCDB simple family (publication)
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DOCDB simple family (application)
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