

Title (en)
AXIAL PISTON COMPRESSOR

Title (de)
AXIALKOLBENVERDICHTER

Title (fr)
COMPRESSEUR A PISTONS AXIAUX

Publication
EP 1778977 A1 20070502 (DE)

Application
EP 05771046 A 20050805

Priority
• EP 2005008530 W 20050805
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Abstract (en)
[origin: WO2006018162A1] An axial piston compressor, particularly a compressor for the air-conditioning system of a motor vehicle, comprising a housing and a compressor unit which is arranged inside the housing and driven by a drive shaft and used to suction and compress a cooling agent, wherein the compressor unit comprises pistons which move axially back and forth in a cylinder block and a pivoting plate (a slanting plate, a swash-plate or a pivoting ring). The pivoting plate is configured or mounted in such a way that the tipping behaviour thereof acts in an automatically limiting manner and such that when the speed of the compressor is high, particularly very high indeed or when it reaches a maximum, the maximal pivoting plate deflection angle α_{max} is smaller than the maximum deflection angle at low compressor speeds.

IPC 8 full level
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Citation (search report)
See references of WO 2006018162A1

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