

Title (en)

Variable displacement swash-plate type compressor

Title (de)

Schiefscheibenverdichter mit veränderlicher Verdrängung

Title (fr)

Compresseur à plateau en biais à compression variable

Publication

EP 0519522 B1 19960228 (EN)

Application

EP 92113703 A 19870901

Priority

- EP 87112734 A 19870901
- JP 15413987 A 19870619
- JP 20622986 A 19860902
- JP 30229686 A 19861218

Abstract (en)

[origin: EP0259760A2] A variable displacement swash-plate type compressor suitable for use as a refrigerant compressor of an automotive air conditioner has a cylinder block (5, 6) having a plurality of cylinder bores (64) each slidably receiving a double-headed piston (7), a shaft (1) driven by an automotive engine, a swash plate (10) tiltably mounted on the shaft (1) for rotation therewith to reciprocatorily move the pistons (7), and a spool (30) for moving the swash plate (10) axially of the shaft (1) and changing the angle of tilt of the swash plate (10). The swash plate (10) and the shaft (1) are connected in such a manner that, when the swash plate (10) is axially moved while changing its tilting angle, the position of stroke end of each piston (7) is changed only in a working chamber on one end of the piston (7), whereas no change in the position of the stroke end occurs in the other working chamber on the other end of the piston (7).

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