

Title (en)

Variable displacement swash-plate type compressor.

Title (de)

Schiebscheibenverdichter mit veränderlicher Verdrängung.

Title (fr)

Compresseur à plateau en biais à compression variable.

Publication

EP 0513871 A2 19921119 (EN)

Application

EP 92113693 A 19870901

Priority

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

Abstract (en)

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

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F04B 1/28; F04B 27/08

IPC 8 full level

F04B 27/18 (2006.01)

CPC (source: EP KR)

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Cited by

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EP 0259760 A2 19880316; EP 0259760 A3 19900516; EP 0259760 B1 19931118; AU 578565 B2 19881027; AU 7774087 A 19880310; BR 8704487 A 19880419; DE 3751724 D1 19960404; DE 3751724 T2 19960905; DE 3751778 D1 19960523; DE 3751778 T2 19960829; DE 3788176 D1 19931223; DE 3788176 T2 19940310; EP 0513871 A2 19921119; EP 0513871 A3 19930811; EP 0513871 B1 19960417; EP 0519522 A2 19921223; EP 0519522 A3 19930901; EP 0519522 B1 19960228; KR 880004230 A 19880607; KR 900009223 B1 19901224

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