Title (en)
Capacity-variable type swash plate compressor

Title (de)
Taumelscheibenverdichter mit variabler Kapazität

Title (fr)
Compresseur à plateau en biais à capacité variable

Publication
EP 2037123 A2 20090318 (EN)

Application
EP 08162733 A 20080821

Priority
JP 2007234881 A 20070911

Abstract (en)
A capacity-variable type swash plate compressor in which a link mechanism is hardly worn and superior durability is demonstrated. According to the compressor in the invention, a link mechanism 10 comprises a swash plate arm 9b and first and second intermediate arms 21, 22. The first and second intermediate arms 21, 22 include pairs of first guided surfaces 21a, 21b, 22a, 22b extending in parallel to a virtual plane P and having back sides thereof facing each other in front and back in the direction of rotation R of a drive shaft 6, and each are formed into a plate shape extending from the side of a lug plate 8 to the side of a swash plate 9. First and second lug arms 8a, 8b of the lug plate 8 are formed with first and second lug-side storage recesses 8c, 8f having first guiding surfaces 8d, 8e, 8g, 8h. The first and second intermediate arms 21, 22 are stored in the first and second lug-side storage recesses 8c, 8f.

IPC 8 full level
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F05B 2260/301 (2013.01 - KR); Y10S 417/00 (2013.01 - KR)

Citation (applicant)
- JP H10176658 A 19980630 - ZEXEL CORP
- JP 2003172333 A 20030620 - SANDEN CORP
- JP 2005299516 A 20051027 - CALSONIC KANSEI CORP

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