

Title (en)
Swash plate compressor

Title (de)
Taumelscheibenverdichter

Title (fr)
Compresseur à plateau en biais

Publication
EP 2034182 A2 20090311 (EN)

Application
EP 08162732 A 20080821

Priority
JP 2007230720 A 20070905

Abstract (en)
A swash plate compressor which is capable of preventing a power loss due to ferry-around of the swash plate under a high durability is provided. The swash plate compressor according to the invention comprises a swash plate 22, a thrust bearing 20 and a radial bearing 21 preventing the swash plate from rotating with a drive shaft. The swash plate 22 includes a recesses 22e formed by depressing a peripheral surface, and pistons 14 are fitted to the recesses 22e. Accordingly, the swash plate 22 and the pistons 14 engage with each other and the swash plate 22 is provided with a detent structure.

IPC 8 full level
F04B 27/10 (2006.01)

CPC (source: EP)
F04B 27/1054 (2013.01)

Citation (applicant)
• JP H10159723 A 19980616 - NIPPON SOKEN
• JP 2001221151 A 20010817 - TOYODA AUTOMATIC LOOM WORKS

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2034182 A2 20090311; EP 2034182 A3 20091125; JP 2009062856 A 20090326

DOCDB simple family (application)
EP 08162732 A 20080821; JP 2007230720 A 20070905