

Title (en)
Capacity-variable type swash plate compressor

Title (de)
Taumelscheibenverdichter mit variabler Kapazität

Title (fr)
Compresseur de type brise-flot à capacité variable

Publication
EP 2045467 A2 20090408 (EN)

Application
EP 08165620 A 20081001

Priority
• JP 2007259413 A 20071003
• JP 2008107735 A 20080417

Abstract (en)
A capacity-variable type swash plate compressor in which the preferable operability of a link mechanism and reduction of manufacturing cost are realized is provided. A link mechanism (12) includes one swash plate arm (11b) and intermediate arms (20). The intermediate arms (20) include first and second intermediate arms (21,22). The first and second intermediate arms (21,22) are joined while being rotatably supported by a lug member (10) and the swash plate arm (11b) via a lug-side pin (23) which constitutes a lug-side axis (A1) and a swash-plate-side pin (24) which constitutes a swash-plate-side axis (A2) and clamping the lug member (10) and the swash plate arm (11b) via the lug-side pin (23) and the swash-plate-side pin (24) so as to allow a sliding movement.

IPC 8 full level
F04B 27/10 (2006.01); **F04B 27/18** (2006.01)

CPC (source: EP US)
F04B 27/1072 (2013.01 - EP US); **F04B 27/18** (2013.01 - EP US)

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

Cited by
EP2784315A1; EP2878821A1; US9523357B2; US9752563B2; WO2015176988A1

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 2045467 A2 20090408; EP 2045467 A3 20100120; US 2009107327 A1 20090430

DOCDB simple family (application)
EP 08165620 A 20081001; US 28497708 A 20080926