

Title (en)
Swash plate type compressor

Title (de)
Taumelscheibenverdichter

Title (fr)
Compresseur de type brise-flot

Publication
EP 2042731 A2 20090401 (EN)

Application
EP 08164894 A 20080923

Priority
• JP 2007250639 A 20070927
• JP 2007287250 A 20071105

Abstract (en)
A swash plate type compressor has a cylinder block, a drive shaft, a piston, a pair of first and second shoes and a swash plate. The swash plate has a first surface on the far side of the swash plate from the cylinder bore in slide contact with the first shoe and a second surface on the same side of the swash plate as the cylinder bore in slide contact with the second shoe. The swash plate has first and second edges formed between the first and second surfaces and an outer peripheral surface of the swash plate, respectively. The swash plate has a curved surface formed on the first edge at and adjacent to the bottom dead center of the swash plate whose radius of curvature is larger than that of the surface of the second edge.

IPC 8 full level
F04B 27/10 (2006.01)

CPC (source: EP US)
F04B 27/1054 (2013.01 - EP US); **F04B 27/109** (2013.01 - EP US); **F05C 2253/12** (2013.01 - EP US); **F05C 2253/20** (2013.01 - EP US)

Citation (applicant)
JP 2001317453 A 20011116 - SANDEN CORP

Cited by
EP2832995A4; US9528504B2

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)
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