

Title (en)
Fixed angle swash plate compressor

Title (de)
Taumelscheibenkompressor mit festem Winkel

Title (fr)
Compresseur à plateau en biais à angle fixe

Publication
EP 1577552 A3 20061213 (EN)

Application
EP 05005939 A 20050318

Priority
US 80367904 A 20040318

Abstract (en)
[origin: EP1577552A2] A compressor is disclosed generally comprising a housing, a shaft disposed therein, and a swash plate part that is mounted at a fixed angle relative to the longitudinal axis of the shaft. In some embodiments, the swash plate part is coupled to a second, inner swash plate part via a bearing. In other embodiments, the swash plate part is coupled directly to the shaft via the bearing. The bearing is adapted to accommodate both the radial and axial loads of the compressor in order to eliminate the need for a separate thrust bearing.

IPC 8 full level
F04B 27/08 (2006.01); **F04B 27/10** (2006.01)

CPC (source: EP KR US)
F04B 27/1063 (2013.01 - EP US); **F42D 5/055** (2013.01 - KR); **E21D 9/006** (2013.01 - KR)

Citation (search report)

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR LV MK YU

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EP 1577552 A2 20050921; EP 1577552 A3 20061213; AU 2005201168 A1 20051006; BR PI0500899 A 20051101; CA 2501150 A1 20050918; CN 1670370 A 20050921; JP 2005264943 A 20050929; KR 20060043772 A 20060515; MX PA05002989 A 20050921; US 2005207905 A1 20050922

DOCDB simple family (application)
EP 05005939 A 20050318; AU 2005201168 A 20050317; BR PI0500899 A 20050318; CA 2501150 A 20050317; CN 200510065627 A 20050318; JP 2005077410 A 20050317; KR 20050022338 A 20050317; MX PA05002989 A 20050317; US 80367904 A 20040318