

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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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)  
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DOCDB simple family (publication)  
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**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