

Title (en)

VANE CELL PUMP

Title (de)

FLÜGELZELLENPUMPE

Title (fr)

POMPE A PALETTES COULISSANTES

Publication

EP 1794457 A1 20070613 (DE)

Application

EP 06776763 A 20060811

Priority

- EP 2006007944 W 20060811
- DE 102005048602 A 20051006
- DE 102006021971 A 20060503

Abstract (en)

[origin: WO2007039013A1] The invention relates to a vane cell pump (12) which comprises an internal rotor (16) and a plurality of vanes (20) which are displaceably mounted in a radial manner in the internal rotor, essentially, in radial slots (18) and are directly or indirectly guided on the internal circumferential surface (26) of a stator (28). The axis of the stator and the axis of the internal rotor are offset in relation to each other and the stator (28) can be adjusted in relation to the internal rotor (16) in the radial direction and the offset can be altered. The stator (28) comprises a pivotable bearing (36) which is arranged in the housing of the vane cell pump. At least one piston section (42) protrudes from the stator, whereby the piston axis thereof (44) extends in the direction of the periphery to the pivotable bearing (36).

IPC 8 full level

F04C 14/22 (2006.01)

CPC (source: EP KR US)

F04C 2/344 (2013.01 - KR); **F04C 14/22** (2013.01 - KR); **F04C 14/226** (2013.01 - EP US); **F04C 18/344** (2013.01 - KR)

Citation (search report)

See references of WO 2007039013A1

Cited by

DE102013221567A1

Designated contracting state (EPC)

DE FR GB

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

WO 2007039013 A1 20070412; WO 2007039013 A8 20070927; DE 502006004164 D1 20090820; EP 1794457 A1 20070613; EP 1794457 B1 20090708; JP 2009510331 A 20090312; JP 4834734 B2 20111214; KR 101146845 B1 20120516; KR 20080049689 A 20080604; US 2008014108 A1 20080117; US 7785087 B2 20100831

DOCDB simple family (application)

EP 2006007944 W 20060811; DE 502006004164 T 20060811; EP 06776763 A 20060811; JP 2008533883 A 20060811; KR 20077024155 A 20060811; US 84547007 A 20070827