

Title (en)  
VANE PUMP

Title (de)  
FLÜGELZELLENPUMPE

Title (fr)  
POMPE A PALETTES

Publication  
**EP 1934479 A1 20080625 (DE)**

Application  
**EP 06793383 A 20060911**

Priority  
• EP 2006066201 W 20060911  
• DE 102005047175 A 20050930

Abstract (en)  
[origin: DE102005047175A1] The pump has a rotor (20) arranged in a pump housing, where the rotor is driven by a drive shaft (12), and has grooves arranged on the rotor circumference. The grooves run radial to the axis of rotation of the rotor, and a blade shaped feeding unit (26) is slidingly guided in the grooves. A ring-shaped groove (38) extends over a part of the circumference of the rotor, and is connected with an interior area of two of the grooves of the rotor. The groove (38) is designed at the front sides (201, 202) of the rotor opposite to the front wall of the housing, and is connected to a pressure area.

IPC 8 full level  
**F04C 2/344** (2006.01)

CPC (source: EP US)  
**F01C 21/0863** (2013.01 - EP US); **F04C 2/3442** (2013.01 - EP US); **F04C 2230/22** (2013.01 - EP US); **F04C 2240/20** (2013.01 - EP US)

Citation (search report)  
See references of WO 2007039405A1

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**DE 102005047175 A1 20070405**; CN 101273200 A 20080924; CN 101273200 B 20100616; EP 1934479 A1 20080625; JP 2009510311 A 20090312; US 2008253913 A1 20081016; US 7845922 B2 20101207; WO 2007039405 A1 20070412

DOCDB simple family (application)  
**DE 102005047175 A 20050930**; CN 200680035742 A 20060911; EP 06793383 A 20060911; EP 2006066201 W 20060911; JP 2008532710 A 20060911; US 8829406 A 20060911