

Title (en)  
ROTOR PUMP

Title (de)  
ROTORPUMPE

Title (fr)  
POMPE A ROTOR

Publication  
**EP 1934481 A1 20080625 (DE)**

Application  
**EP 06792219 A 20060922**

Priority  
• EP 2006009213 W 20060922  
• DE 102005050001 A 20051013

Abstract (en)  
[origin: WO2007042135A1] The invention relates to a rotor pump (2) which comprises a pump housing and a rotor (20) rotatably received therein. A vane is displaceably received in the rotor with its vane base (32) and rests on the interior peripheral surface of the pump housing with its vane tips (28), thereby defining a suction chamber and a pressure chamber, said vane having a constant length. The vane base consists of aluminum or an aluminum alloy and the vane tips (28) provided on its free ends and facing the interior peripheral surface consist of plastic.

IPC 8 full level  
**F04C 18/344** (2006.01); **F01C 21/08** (2006.01); **F04C 27/00** (2006.01)

CPC (source: EP)  
**F01C 21/0845** (2013.01); **F04C 18/3442** (2013.01); **F04C 27/003** (2013.01); **F04C 2220/10** (2013.01); **F04C 2230/21** (2013.01); **F04C 2230/24** (2013.01); **F05C 2201/903** (2013.01); **F05C 2225/00** (2013.01)

Citation (search report)  
See references of WO 2007042135A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**DE 102005050001 A1 20070419**; EP 1934481 A1 20080625; WO 2007042135 A1 20070419

DOCDB simple family (application)  
**DE 102005050001 A 20051013**; EP 06792219 A 20060922; EP 2006009213 W 20060922