

Title (en)  
VANE CELL PUMP

Title (de)  
FLÜGELZELLENPUMPE

Title (fr)  
POMPE A CELLULES SEMI-ROTATIVES

Publication  
**EP 0832361 B1 19991229 (DE)**

Application  
**EP 96917505 A 19960607**

Priority  
• DE 19521635 A 19950614  
• EP 9602484 W 19960607

Abstract (en)  
[origin: DE19521635A1] The invention concerns a vane cell pump having a stream-regulator valve (13) on whose regulating piston (17) the outlet pressure and spring force act. Provided in the face plate (7) between a pressure chamber (1) and an outlet duct (19) is a throttle bore (14) with a truncated throttle cone projecting into the pressure chamber. The throttle cone generates a feed stream which is dependent on the rotational speed of the pump and, in the outlet duct (19), acts on the face of the regulating piston (17).

IPC 1-7  
**F04C 15/04**

IPC 8 full level  
**F04C 14/26** (2006.01); **F04B 49/08** (2006.01); **F04C 14/00** (2006.01)

CPC (source: EP KR US)  
**F04C 2/344** (2013.01 - KR); **F04C 14/26** (2013.01 - EP US)

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**DE 19521635 A1 19961219**; BR 9608583 A 19990105; DE 59604053 D1 20000203; EP 0832361 A1 19980401; EP 0832361 B1 19991229; JP H11507708 A 19990706; KR 100415901 B1 20040330; KR 19990022829 A 19990325; US 6000914 A 19991214; WO 9700380 A1 19970103

DOCDB simple family (application)  
**DE 19521635 A 19950614**; BR 9608583 A 19960607; DE 59604053 T 19960607; EP 9602484 W 19960607; EP 96917505 A 19960607; JP 50260197 A 19960607; KR 19970709298 A 19971211; US 97368797 A 19971212