

Title (en)  
VACUUM PUMP HAVING AN OUTLET VALVE

Title (de)  
VAKUUMPUMPE MIT EINEM AUSLASSVENTIL

Title (fr)  
POMPE À VIDE AVEC UNE SOUPAPE DE SORTIE

Publication  
**EP 2079932 A1 20090722 (DE)**

Application  
**EP 07856378 A 20071205**

Priority

- EP 2007010543 W 20071205
- DE 202007003155 U 20070104
- DE 102007010729 A 20070226

Abstract (en)  
[origin: DE102007010729B3] The pump (10) has a rotor (18) swivelably supported eccentrically in a cup shaped housing (12), and an impeller supported in the rotor that is orthogonal to a rotation axis (21) in a relocatable manner. An air discharge opening (38) is provided with an exhaust valve that includes a sealing body lying directly on the opening. The body is flexibly designed and is fixed at the opening at front and rear ends of the opening in a rotation direction (36) of the rotor, where the body lies permanently at the opening. A working space (30) is divided into suction and pressure spaces (32, 34).

IPC 8 full level  
**F04C 18/344** (2006.01); **F04C 29/12** (2006.01); **F16K 15/14** (2006.01)

CPC (source: EP)  
**F04C 18/3441** (2013.01); **F04C 18/3442** (2013.01); **F04C 29/128** (2013.01); **F04C 2220/10** (2013.01)

Citation (search report)  
See references of WO 2008080492A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**DE 102007010729 B3 20080424**; EP 2079932 A1 20090722; WO 2008080492 A1 20080710

DOCDB simple family (application)  
**DE 102007010729 A 20070226**; EP 07856378 A 20071205; EP 2007010543 W 20071205