

Title (en)  
VANE CELL PUMP

Title (de)  
FLÜGELZELLENPUMPE

Title (fr)  
POMPE À PALETTES

Publication  
**EP 2038555 A1 20090325 (DE)**

Application  
**EP 07722510 A 20070605**

Priority  
• DE 2007000997 W 20070605  
• DE 102006026376 A 20060607

Abstract (en)  
[origin: WO2007140759A1] The invention relates to a vane cell pump, in particular a mono-vane vacuum pump, having a rotor which is arranged in a housing such that it can rotate about a rotational axis and has at least one vane which divides a working space in the housing into a pressure space and a suction space. The invention is distinguished by the fact that the vane has at least one pressure relief connection which extends between two vane ends, in particular perpendicularly with respect to the rotational axis of the rotor, and connects the pressure space to the suction space.

IPC 8 full level  
**F04C 18/344** (2006.01); **F04C 28/28** (2006.01)

CPC (source: EP)  
**F01C 21/0809** (2013.01); **F01C 21/0881** (2013.01); **F04C 28/28** (2013.01); **F04C 18/3442** (2013.01)

Citation (search report)  
See references of WO 2007140759A1

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**WO 2007140759 A1 20071213**; AT E486218 T1 20101115; DE 112007001200 A5 20090219; DE 502007005480 D1 20101209; EP 2038555 A1 20090325; EP 2038555 B1 20101027

DOCDB simple family (application)  
**DE 2007000997 W 20070605**; AT 07722510 T 20070605; DE 112007001200 T 20070605; DE 502007005480 T 20070605; EP 07722510 A 20070605