

Title (en)  
VACUUM PUMP

Title (de)  
VAKUUMPUMPE

Title (fr)  
POMPE À VIDE

Publication  
**EP 2122176 B1 20110914 (DE)**

Application  
**EP 08701036 A 20080109**

Priority  
• EP 2008000103 W 20080109  
• DE 102007018247 A 20070412

Abstract (en)  
[origin: WO2008125155A1] The invention relates to a vacuum pump comprising a crucible-shaped housing, a rotor mounted eccentrically rotatably in the housing, a blade (20) supported displaceably perpendicular to the rotational axis in the rotor, the blade having the blade tips thereof resting against an internal circumferential surface delimiting a working space, thus dividing the working space into a suction space (32) and a pressure space (34), and the suction space being provided with an air inlet opening and the pressure space being provided with an air outlet opening, wherein the air outlet opening is provided with an outlet valve and the outlet valve (40) has a leaf spring (44) clamped on one side as a closing element, wherein the spring characteristic curve of the leaf spring changes from the clamped location (50) in the direction of the free end (62).

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

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

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**DE 102007018247 A1 20081016**; AT E524655 T1 20110915; EP 2122176 A1 20091125; EP 2122176 B1 20110914;  
WO 2008125155 A1 20081023

DOCDB simple family (application)  
**DE 102007018247 A 20070412**; AT 08701036 T 20080109; EP 08701036 A 20080109; EP 2008000103 W 20080109