

Title (en)  
Oscillating displacement vacuum pump

Title (de)  
Oszillierende Verdrängervakuumpumpe

Title (fr)  
Pompe sous vide de refouleur oscillante

Publication  
**EP 2163763 B1 20110223 (DE)**

Application  
**EP 09009702 A 20090728**

Priority  
DE 202008011817 U 20080905

Abstract (en)  
[origin: EP2163763A1] The oscillating positive displacement vacuum pump (1) has a drive chamber (8), which is sealed automatically for surrounding atmosphere extensively, such that a pressure sensor (9) is arranged at the drive chamber. The pressure is measured in the drive chamber. A control signal or switch-off signal is generated by the pressure sensor, while measuring a low pressure in the drive chamber corresponding to a warning signal from an evaluating circuit (10).

IPC 8 full level  
**F04B 49/02** (2006.01); **F04B 37/14** (2006.01)

CPC (source: EP)  
**F04B 37/14** (2013.01); **F04B 49/02** (2013.01); **F04B 49/022** (2013.01)

Citation (examination)

- DE 19904350 A1 20000831 - VACUUBRAND GMBH & CO KG [DE]
- US 4049366 A 19770920 - BECKER ERICH
- DE 2502566 A1 19760729 - BECKER ERICH
- DE 2146016 A1 19730322 - BECKER ERICH

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2163763 A1 20100317; EP 2163763 B1 20110223; EP 2163763 B2 20140806**; AT E499529 T1 20110315; DE 202008011817 U1 20100211; DE 502009000394 D1 20110407

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