

Title (en)  
VACCUUM PUMP WITH A DEVICE FOR COUNTING THE REVOLUTIONS

Publication  
**EP 0280892 A3 19890405 (DE)**

Application  
**EP 88101450 A 19880202**

Priority  
DE 8703108 U 19870228

Abstract (en)  
[origin: US4822251A] A vacuum pump has a housing, a pump shaft having a terminal shaft portion, a bearing member mounted in the housing and supporting the pump shaft and a rotor affixed to the pump shaft. The housing has a housing wall forming a side chamber with the bearing member. The terminal shaft portion projects through the bearing member into the side chamber. There is further provided a device for measuring the rpm of the rotor. The device comprises an inductive sensor held in the housing wall and a ferromagnetic member mounted on the terminal shaft portion for rotation in unison therewith. The ferromagnetic member induces electric pulses in the inductive sensor at a rate proportionate to the rpm of the rotor. A non-magnetic partition separates the inductive sensor from the side chamber.

IPC 1-7  
**F04C 29/00**; **F04D 27/00**

IPC 8 full level  
**G01F 3/10** (2006.01); **F04B 37/16** (2006.01); **F04B 39/00** (2006.01); **F04C 28/28** (2006.01); **F04C 29/00** (2006.01); **F04D 15/00** (2006.01); **F04D 27/00** (2006.01)

CPC (source: EP US)  
**F04C 28/28** (2013.01 - EP US); **F04D 15/0094** (2013.01 - EP US); **F04C 2270/86** (2013.01 - EP US)

Citation (search report)  
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• [Y] FR 1142139 A 19570913 - CHARMILLES SA ATELIERS  
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