

Title (en)  
VACUUM PUMP WITH PRESSURE EQUALIZATION

Title (de)  
UNTERDRUCKPUMPE MIT DRUCKAUSGLEICH

Title (fr)  
POMPE À VIDE À COMPENSATION DE PRESSION

Publication  
**EP 2470790 A1 20120704 (DE)**

Application  
**EP 10734095 A 20100713**

Priority  
• DE 102009028831 A 20090824  
• EP 2010060001 W 20100713

Abstract (en)  
[origin: WO2011023448A1] A vacuum pump, in particular for use in a motor vehicle, with an inlet side for sucking in a fluid medium and an outlet side for delivering the medium which is sucked in to a surrounding area, has an outlet non-return valve on the outlet side, which outlet non-return valve counteracts a return flow of the medium out of the surrounding area, wherein the outlet side has a pressure equalization element for equalizing a vacuum in the vacuum pump with respect to the surrounding area, and the pressure equalization element is set up for counteracting the entry of damaging substances out of the surrounding area into the vacuum pump.

IPC 8 full level  
**F04B 37/14** (2006.01); **F04C 25/02** (2006.01); **F04D 19/04** (2006.01)

CPC (source: EP)  
**F04B 37/14** (2013.01); **F04C 13/00** (2013.01); **F04C 14/28** (2013.01); **F04C 15/066** (2013.01); **F04C 25/02** (2013.01)

Citation (search report)  
See references of WO 2011023448A1

Designated contracting state (EPC)  
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