

Title (en)

POSITIVE PRESSURE GENERATION DEVICE

Title (de)

ÜBERDRUCKERZEUGUNGSVORRICHTUNG

Title (fr)

DISPOSITIF DE PRODUCTION DE SURPRESSION

Publication

**EP 1346267 B1 20060208 (DE)**

Application

**EP 01271566 A 20011130**

Priority

- DE 0104504 W 20011130
- DE 10063273 A 20001219

Abstract (en)

[origin: WO0250622A1] The invention relates to a device with which a positive pressure is at least temporarily generated in a system (S) with respect to an ambient pressure (U). The device further comprises a pump (P) with a pressure side (20) and an intake side (10). When the positive pressure is generated, the pressure side (20) communicates with the system (S) and the intake side (10) communicates with the ambient pressure via at least one valve (MV1), especially a solenoid valve. The inventive device further comprises means that provide an additional cross-section of the intake volume flow when the positive pressure is generated. The invention further relates to a valve that is especially designed for use together with the inventive device.

IPC 8 full level

**F15B 13/042** (2006.01); **G05D 16/20** (2006.01); **F02M 21/12** (2006.01); **F04B 49/00** (2006.01); **F04B 49/22** (2006.01); **F15B 11/028** (2006.01);  
**F15B 11/06** (2006.01); **F15B 11/16** (2006.01); **F16K 31/126** (2006.01); **G05D 16/00** (2006.01)

CPC (source: EP KR US)

**F04B 49/225** (2013.01 - EP US); **F04D 13/06** (2013.01 - KR); **Y10T 137/85986** (2015.04 - EP US); **Y10T 137/87217** (2015.04 - EP US)

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**WO 0250622 A1 20020627**; DE 10063273 A1 20020704; DE 50108900 D1 20060420; EP 1346267 A1 20030924; EP 1346267 B1 20060208;  
JP 2004516568 A 20040603; KR 20020079841 A 20021019; US 2003010388 A1 20030116; US 2004217309 A1 20041104;  
US 6799601 B2 20041005; US 7073769 B2 20060711

DOCDB simple family (application)

**DE 0104504 W 20011130**; DE 10063273 A 20001219; DE 50108900 T 20011130; EP 01271566 A 20011130; JP 2002551655 A 20011130;  
KR 20027010274 A 20020809; US 20416502 A 20020819; US 86340504 A 20040608