

Title (en)
NOISELESS PRESSURE BLOWER

Title (de)
GERÄUSCHLOSES DRUCKGEBLÄSE

Title (fr)
VENTILATEUR SOUFFLANT SILENCIEUX

Publication
EP 2322806 A2 20110518 (EN)

Application
EP 09805149 A 20090731

Priority

- KR 2009004284 W 20090731
- KR 20080076119 A 20080804

Abstract (en)

The present invention relates to a noiseless pressure blower including a main body having an inlet port and an outlet port; a pressing member which rotates to suck in fluid from the inlet port; a control member which rotates in contact with the pressure member to prevent the sucked in fluid from flowing to the inlet port; and an interlocking means for transmitting rotational force to the pressure member and the control member. The main body has two cylinders that communicate with each other. The pressure member includes a pressure rotating shaft which rotates by the interlocking means, and a spiral pressure plate provided on the pressure rotating shaft. The control member includes a control rotating shaft which rotates by the interlocking means, and a control body provided on the control rotating shaft, and which rotates in linear contact with the pressure plate.

IPC 8 full level
F04C 18/24 (2006.01)

CPC (source: EP KR US)
F04C 18/24 (2013.01 - EP KR US); **F04C 29/06** (2013.01 - EP KR US); **F04D 25/08** (2013.01 - EP KR US); **F04D 29/661** (2013.01 - KR); **F04C 2250/101** (2013.01 - EP KR US); **F05D 2210/12** (2013.01 - KR); **F05D 2260/4021** (2013.01 - KR); **F05D 2260/4031** (2013.01 - KR); **F05D 2260/96** (2013.01 - KR); **Y10S 415/00** (2013.01 - KR)

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

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2322806 A2 20110518; **EP 2322806 A4 20120229**; CN 102144099 A 20110803; JP 2011530042 A 20111215; JP 5272077 B2 20130828; KR 100966898 B1 20100630; KR 20100015285 A 20100212; US 2011142706 A1 20110616; WO 2010016688 A2 20100211; WO 2010016688 A3 20100422

DOCDB simple family (application)
EP 09805149 A 20090731; CN 200980130122 A 20090731; JP 2011522001 A 20090731; KR 2009004284 W 20090731; KR 20090070082 A 20090730; US 200913057357 A 20090731