

Title (en)  
MOTORIZED BLOWER ASSEMBLY AND METHODS OF MAKING SAME

Title (de)  
MOTOR-GEBLÄSE EINHEIT UND VERFAHREN ZUR HERSTELLUNG DERSELBEN

Title (fr)  
GROUPE MOTO-VENTILATEUR ET SON PROCÉDÉ DE FABRICATION

Publication  
**EP 2761728 A1 20140806 (EN)**

Application  
**EP 11774122 A 20110930**

Priority  
US 2011001689 W 20110930

Abstract (en)  
[origin: WO2013048363A1] A motorized blower assembly (1) is provided for use in respiratory therapy applications. The active motor sub-assemblies (6, 7, 9) are encapsulated within an over-molded thermoplastic material (5) with selected vibration-dissipative and thermally-conductive properties. The resulting blower assembly operates at reduced sound levels of 1.0-3.0 dB, and with an increased efficiency of 3-9% over currently-marketed blowers of similar size and air flow capability.

IPC 8 full level  
**H02K 5/08** (2006.01); **A61M 16/00** (2006.01); **F04D 17/16** (2006.01); **F04D 25/06** (2006.01); **F04D 29/02** (2006.01); **F04D 29/66** (2006.01); **H02K 1/18** (2006.01); **H02K 5/173** (2006.01); **H02K 5/24** (2006.01); **H02K 15/12** (2006.01); **H02K 5/02** (2006.01); **H02K 15/14** (2006.01)

CPC (source: EP US)  
**F04D 17/16** (2013.01 - EP US); **F04D 25/02** (2013.01 - US); **F04D 25/0606** (2013.01 - EP US); **F04D 29/023** (2013.01 - EP US); **F04D 29/668** (2013.01 - EP US); **H02K 1/185** (2013.01 - EP US); **H02K 5/08** (2013.01 - EP US); **H02K 5/1735** (2013.01 - EP US); **H02K 5/24** (2013.01 - EP US); **H02K 15/12** (2013.01 - EP US); **A61M 16/0066** (2013.01 - EP US); **F05D 2260/96** (2013.01 - EP US); **F05D 2300/43** (2013.01 - EP US); **F05D 2300/5024** (2013.01 - EP US); **H02K 5/02** (2013.01 - EP US); **H02K 15/14** (2013.01 - EP US); **Y10T 29/49236** (2015.01 - EP US)

Citation (search report)  
See references of WO 2013048363A1

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2013048363 A1 20130404**; AU 2011378263 A1 20140313; AU 2011378263 B2 20170112; CA 2849713 A1 20130404; CN 104011977 A 20140827; EP 2761728 A1 20140806; JP 2014529288 A 20141030; JP 5851044 B2 20160203; US 2014341759 A1 20141120

DOCDB simple family (application)  
**US 2011001689 W 20110930**; AU 2011378263 A 20110930; CA 2849713 A 20110930; CN 201180073756 A 20110930; EP 11774122 A 20110930; JP 2014533250 A 20110930; US 201114347078 A 20110930