

Title (en)
Noise reduction devices for blowers

Title (de)
Rauschverringerungsvorrichtungen für Gebläse

Title (fr)
Dispositifs de réduction du bruit pour ventilateurs

Publication
EP 2360378 A3 20120905 (EN)

Application
EP 11154387 A 20110214

Priority
JP 2010029802 A 20100215

Abstract (en)
[origin: EP2360378A2] A noise reduction device (20; 30) for a Mower (1) includes a noise reduction member (20; 32, 33). The noise reduction member (20; 32, 33) has a noise reduction chamber (21; 32a, 33a) and a noise reduction hole (22; 32b, 33b) defined therein, so that a part of air Sowing into, through or out of the blower (1) can enter the noise reduction chamber (21; 32a, 33a) via the noise reduction hole (22; 32b, 33b).

IPC 8 full level
F04D 29/66 (2006.01); **F01N 1/02** (2006.01); **F04D 29/02** (2006.01); **F04D 29/42** (2006.01); **F04D 29/62** (2006.01)

CPC (source: EP US)
E01H 1/0809 (2013.01 - EP); **F04D 29/02** (2013.01 - US); **F04D 29/023** (2013.01 - EP); **F04D 29/4226** (2013.01 - EP US); **F04D 29/626** (2013.01 - EP US); **F04D 29/663** (2013.01 - EP US); **F04D 29/665** (2013.01 - EP US)

Citation (search report)

- [X] DE 10112764 A1 20020919 - MANN & HUMMEL FILTER [DE]
- [X] WO 02057616 A1 20020725 - MAHLE FILTERSYSTEME GMBH [DE], et al
- [X] JP 2008138687 A 20080619 - MITSUI SHIPBUILDING ENG
- [X] GB 2237323 A 19910501 - COAL IND [GB]
- [X] EP 0573895 A1 19931215 - KUEHNLE KOPP KAUSCH AG [DE]
- [A] JP H06264838 A 19940920 - TOYODA GOSEI KK

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2360378 A2 20110824; EP 2360378 A3 20120905; EP 2360378 B1 20150610; CN 102162473 A 20110824; JP 2011163300 A 20110825; JP 5620690 B2 20141105; RU 2011105456 A 20120820; US 2011200426 A1 20110818

DOCDB simple family (application)
EP 11154387 A 20110214; CN 201110041340 A 20110214; JP 2010029802 A 20100215; RU 2011105456 A 20110214; US 201113024722 A 20110210