

Title (en)  
Ventilator with integrated control valve

Title (de)  
Radialgebläse mit integriertem Regelventil

Title (fr)  
Ventilateur doté d'une soupape de régulation intégrée

Publication  
**EP 2048439 A1 20090415 (DE)**

Application  
**EP 07020007 A 20071012**

Priority  
EP 07020007 A 20071012

Abstract (en)  
The radial fan (1) comprises a housing (2) in which a radial fan wheel is arranged, and with a regulating valve (3) for regulating the amount of gas. The regulating valve comprises a valve seat (4). The valve seat of the regulating valve is formed from a part of the housing. The valve seat is formed in the interior of the housing.

Abstract (de)  
Radialgebläse, insbesondere für einen Gasbrenner zur Vormischung von Luft und Gas, das ein Gehäuse (2) mit einem darin angeordneten Radialgebläserad aufweist, und mit einem Regelventil (3) zur Regelung der Gasmenge, das einen Ventilsitz (4) umfasst, wobei der Ventilsitz (4) des Regelventils (3) aus einem Teil des Gehäuses (2) gebildet ist.

IPC 8 full level  
**F23D 14/36** (2006.01); **F23D 14/62** (2006.01)

CPC (source: EP US)  
**F23D 14/36** (2013.01 - EP US); **F23D 14/62** (2013.01 - EP US); **F23N 2233/06** (2020.01 - EP US); **Y10T 137/85986** (2015.04 - EP US)

Citation (applicant)  
• EP 0834695 A1 19980408 - INVERNIZZI GIANMARIO [IT]  
• EP 1243857 A1 20020925 - MOTOREN VENTILATOREN GMBH [DE]  
• WO 2008016500 A2 20080207 - INNOVATION BY DESIGN INC [US], et al

Citation (search report)  
• [XY] EP 0834695 A1 19980408 - INVERNIZZI GIANMARIO [IT]  
• [X] EP 1243857 A1 20020925 - MOTOREN VENTILATOREN GMBH [DE]  
• [Y] US 6247919 B1 20010619 - WELZ JR ALBERT W [US], et al  
• [Y] WO 2007098790 A1 20070907 - SIT LA PRECISA SPA [IT], et al

Cited by  
DE102012102646A1; US2018058689A1; CN105247287A; AU2013218536B2; CN106958812A; US10274195B2; US9835265B2; US10503181B2; US9657946B2; WO2014135365A1; DE102013102354A1; US9810429B2; US9683674B2; US10215291B2; US10697815B2; US9851103B2; US10851993B2; DE102012102645A1; WO2013143799A1; US9416888B2; US9645584B2; US10203049B2; US10422531B2; US11421875B2; US9846440B2; US10564062B2; US9841122B2; US11073281B2; WO2013143800A2; US9371931B2; US9995486B2; US10024439B2; US10697632B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 2048439 A1 20090415; EP 2048439 B1 20140618**; CA 2699809 A1 20090423; CN 101802498 A 20100811; CN 101802498 B 20120704; JP 2011501087 A 20110106; JP 5538228 B2 20140702; KR 20100069665 A 20100624; US 2010269931 A1 20101028; US 8596957 B2 20131203; WO 2009049694 A1 20090423

DOCDB simple family (application)  
**EP 07020007 A 20071012**; CA 2699809 A 20080630; CN 200880111506 A 20080630; EP 2008005322 W 20080630; JP 2010528280 A 20080630; KR 20107007331 A 20080630; US 68265408 A 20080630