Title (en)

Blower for gas premix burner

Title (de)

Brennergebläse für Gas-Vormischbrenner

Title (fr)

Ventilateur pour brûleur à prémélange opérant au gaz

Publication

EP 0657692 B1 20000202 (DE)

Application

EP 94119088 A 19941203

Priority

DE 4341340 A 19931206

Abstract (en)

[origin: DE4443045A1] The blower (50) arranged in a combustion chamber has a drive motor fixed to the blower housing (5). The motor, e.g. a collectorless external rotor motor, is connected to a blower electronics arranged on a printed circuit board. The circuit board includes openings (6) for drawing the air toward the electronics carrier (57) which is fixed to the stator (60) of the motor. A circular aperture (69) is provided between the inner edge of the PCB and a bearing carrier tube (52), to pass the air from the circular chamber (67) to the centre of the blower wheel.

IPC 1-7

F23D 14/36; F23D 14/62; F23D 14/02

IPC 8 full level

F04D 25/06 (2006.01); **F23D 14/02** (2006.01); **F23D 14/36** (2006.01); **F23D 14/62** (2006.01); **F23D 14/82** (2006.01)

CPC (source: EP US)

F04D 25/0613 (2013.01 - EP US); **F23D 14/02** (2013.01 - EP US); **F23D 14/36** (2013.01 - EP US); **F23D 14/62** (2013.01 - EP US); **F23D 14/82** (2013.01 - EP US); F23D 2203/1017 (2013.01 - EP US); F23D 2203/102 (2013.01 - EP US); F23D 2203/105 (2013.01 - EP US)

Designated contracting state (EPC)

AT CH DE FR GB IT LI NL

DOCDB simple family (publication)

DE 4443045 A1 19950608; AT E183300 T1 19990815; AT E189513 T1 20000215; DE 59408625 D1 19990916; DE 59409120 D1 20000309; EP 0657692 A2 19950614; EP 0657692 A3 19960124; EP 0657692 B1 20000202; EP 0762051 A2 19970312; EP 0762051 A3 19970402; EP 0762051 B1 19990811; US 5678988 A 19971021; US 5931660 A 19990803

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