Title (en)

BLOW FILTER DEVICE

Title (de)

GEBLÄSEFILTERGERÄT

Title (fr)

APPAREIL FILTRANT A VENTILATEUR

Publication

EP 1722865 B1 20090401 (DE)

Application

EP 05714914 A 20050127

Priority

- DE 2005000152 W 20050127
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Abstract (en)

[origin: WO2005087319A1] A blow filter device for breathing masks and hoods, comprising a blower which is driven by a motor and at least one filter which is arranged upstream from the blower, in addition to an electronic control system for adjusting a predefined airflow volume. The invention is characterized in that the motor is an electronically commutated direct current motor (6) which is controlled with the aid of a pulse width modulation ratio as a control variable, wherein a calibrating curve is created and stored in the memory (14) of the electronic control system and is based on a plurality of different filter resistances and a respectively corresponding pulse-width modulation ratio (PWM) and the respective motor speed (n) for a specific volume of air. The direct current motor can be controlled in the hood mode according to the speed (n) measured in relation to the respective filter resistance after activation with the aid of the associated pulse-width modulation ratio read from the calibrating curve and can be controlled in the mask mode independently of the respective filter resistance with a respective specific constant pulse-width modulation ratio (PWM) for the associated mask type, wherein the electronic control system (5) is associated with an identifying means (19,20) which is used to recognize the associated head part and to adjust the operational mode concerned.

IPC 8 full level

A62B 18/00 (2006.01); **A62B 17/04** (2006.01)

CPC (source: EP US)

A62B 17/04 (2013.01 - EP US); **A62B 18/006** (2013.01 - EP US)

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