

Title (en)

A POLLUTION MASK AND CONTROL METHOD

Title (de)

MASKE UND STEUERUNGSVERFAHREN

Title (fr)

MASQUE DE POLLUTION ET PROCÉDÉ DE COMMANDE

Publication

EP 3669948 A1 20200624 (EN)

Application

EP 18214381 A 20181220

Priority

EP 18214381 A 20181220

Abstract (en)

An active fan-assisted pollution mask makes use of an optical sensor for detecting rotation of the fan and, during fan rotation, the speed of rotation. Breathing cycle detection and/or an automatic turn on and/or turn off function of the fan are implemented based on the analysis of the optical sensor signal. The use of an optical sensor provides a low cost and compact way to implement an automatic control function. It avoids the need for any particular fan design, since the detection is based on optical analysis of the fan rotation rather than analysis of electrical fan signals.

IPC 8 full level

A62B 18/00 (2006.01)

CPC (source: EP)

A62B 18/006 (2013.01)

Citation (search report)

- [A] US 2015114389 A1 20150430 - SERNFÄLT MATS ULRIK [SE], et al
- [A] US 2012055815 A1 20120308 - TRUEX BRYAN I [US], et al

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)

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