

Title (en)
A POLLUTION MASK AND CONTROL METHOD

Title (de)
VERSCHMUTZUNGSMASKE UND STEUERUNGSVERFAHREN

Title (fr)
MASQUE ANTI-POLLUTION ET PROCÉDÉ DE COMMANDE

Publication
EP 3856359 A1 20210804 (EN)

Application
EP 19769803 A 20190919

Priority
• CN 2018107705 W 20180926
• EP 18214381 A 20181220
• EP 2019075098 W 20190919

Abstract (en)
[origin: WO2020064476A1] 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); **A62B 18/08** (2013.01)

Citation (search report)
See references of WO 2020064476A1

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