

Title (en)

A POLLUTION MASK WITH POLLUTION SENSING

Title (de)

VERSCHMUTZUNGSSCHUTZMASKE MIT VERSCHMUTZUNGSERFASSUNG

Title (fr)

MASQUE DE POLLUTION POUVANT DÉTECTER LA POLLUTION

Publication

EP 3791934 A1 20210317 (EN)

Application

EP 19197165 A 20190913

Priority

EP 19197165 A 20190913

Abstract (en)

A pollution mask includes detection of inhalation and exhalation portions of the breathing cycle of the user. A particle or pollution sensor is used for sensing inside the air chamber and providing a sensing result. Sensing results are combined in respect of a plurality of inhalation portions or exhalation portions to derive a combined sensing result. This enables a sufficient sensing time period during only inhalation portions or during only exhalation portions, in order to obtain an accurate sensing result.

IPC 8 full level

A62B 9/00 (2006.01); **A62B 18/08** (2006.01)

CPC (source: EP)

A62B 9/006 (2013.01); **A62B 18/088** (2013.01)

Citation (applicant)

WO 2018215225 A1 20181129 - KONINKLIJKE PHILIPS NV [NL]

Citation (search report)

- [XYI] US 2018325422 A1 20181115 - SOKOL ERIC R [US], et al
- [YD] WO 2018215225 A1 20181129 - KONINKLIJKE PHILIPS NV [NL]
- [Y] CN 104922822 A 20150923 - YANG HAIDAN
- [A] WO 2018036902 A1 20180301 - KONINKLIJKE PHILIPS NV [NL]

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

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