

Title (en)
A BREATHING ANALYSIS MASK AND BREATHING ANALYSIS METHOD

Title (de)
ATMUNGSANALYSEMASKE UND ATMUNGSANALYSEVERFAHREN

Title (fr)
MASQUE ET PROCÉDÉ D'ANALYSE RESPIRATOIRE

Publication
EP 3791936 A1 20210317 (EN)

Application
EP 19197180 A 20190913

Priority
EP 19197180 A 20190913

Abstract (en)
A pollution mask with a filter and fan monitors a rotation speed of the fan and a pressure between the mask air chamber and the ambient surroundings. Breathing flow volume information is then obtained from these monitored parameters, and breathing flow volume information is provided to a user of the mask. This mask functions both as a pollution mask, and an analysis system from providing breathing flow volume information, for example for personal health and/or fitness monitoring.

IPC 8 full level
A62B 18/00 (2006.01)

CPC (source: EP)
A62B 18/006 (2013.01)

Citation (applicant)
WO 2018215225 A1 20181129 - KONINKLIJKE PHILIPS NV [NL]

Citation (search report)
• [XYI] US 9399109 B2 20160726 - BALOA WELZIEN LEONARDO ALBERTO [US], et al
• [XI] US 6644310 B1 20031111 - DELACHE ALAIN J [FR], et al
• [XI] US 5134995 A 19920804 - GRUENKE ROGER A [US], et al
• [YD] WO 2018215225 A1 20181129 - KONINKLIJKE PHILIPS NV [NL]

Cited by
CN113230552A; CN117618814A

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)
EP 3791936 A1 20210317

DOCDB simple family (application)
EP 19197180 A 20190913