

Title (en)  
REMOVABLE MASK AIRFLOW DEVICE

Title (de)  
ENTFERNBARE MASKENLUFTSTROMVORRICHTUNG

Title (fr)  
DISPOSITIF D'ÉCOULEMENT D'AIR DE MASQUE AMOVIBLE

Publication  
**EP 3943163 A1 20220126 (EN)**

Application  
**EP 21173765 A 20210513**

Priority  
• US 202117193109 A 20210305  
• US 202063053813 P 20200720

Abstract (en)  
A removable mask airflow device, comprising a first portion constructed and arranged to be positioned at an exterior surface of a facemask, the first portion comprising an opening and at least one flow processing device disposed at the opening and a second portion constructed and arranged to be positioned at an interior surface of the facemask. The at least one flow processing device is configured to process fluid flow through the opening. The second portion is constructed and arranged to couple with the first portion with a portion of the facemask being between the first portion and the second portion.

IPC 8 full level  
**A62B 18/00** (2006.01); **A62B 18/04** (2006.01)

CPC (source: EP)  
**A62B 18/006** (2013.01); **A62B 18/08** (2013.01)

Citation (search report)  
• [XYI] WO 2019064199 A2 20190404 - 3M INNOVATIVE PROPERTIES CO [US]  
• [XYI] KR 102080754 B1 20200424 - REUM CO LTD [KR]  
• [I] WO 2020013907 A1 20200116 - AOK TOOLING LTD [US], et al  
• [Y] CN 104886824 A 20150909 - SHANGHAI ROUNDSKY ELECTRONIC TECHNOLOGY CO LTD  
• [Y] WO 2015019637 A1 20150212 - SHARP KK [JP]  
• [XP] EP 3791935 A1 20210317 - KONINKLIJKE PHILIPS NV [NL]

Cited by  
EP4364816A1; WO2024099842A1

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 3943163 A1 20220126**; AU 2021102824 A4 20210715; CA 3116531 A1 20220120; CN 215075697 U 20211210

DOCDB simple family (application)  
**EP 21173765 A 20210513**; AU 2021102824 A 20210525; CA 3116531 A 20210429; CN 202120789393 U 20210416