Title (en)

POWERED EXHAUST APPARATUS FOR A PERSONAL PROTECTION RESPIRATORY DEVICE

Title (de)

STROMGETRIEBENE ABGASVORRICHTUNG FÜR EINE PERSONALISIERTE ATEMSCHUTZVORRICHTUNG

Title (fr)

DISPOSITIF D#ASPIRATION MOTORISÉ POUR DISPOSITIF RESPIRATOIRE DE PROTECTION INDIVIDUELLE.

Publication

EP 3797837 A1 20210331 (EN)

Application

EP 19200640 A 20190930

Priority

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Abstract (en)

The present disclosure relates to an exhaust apparatus 10, 10' for releasable connection to a personal protection respiratory device 20 that defines a filtered air volume adjacent to the face of a wearer 100 and comprises at least one exhalation valve 26, wherein the exhaust apparatus 10, 10' is configured to be in fluid connection with the at least one exhalation valve when the exhaust apparatus 10, 10' is connected to the personal protection respiratory device 20, and the apparatus comprises an fan 12, 12' configured to draw a portion of the wearer's 100 exhaled breath through the at least one exhalation valve 26 at a high volumetric flow rate with low pressure when the exhaust apparatus 10, 10' is connected to the personal protection respiratory device 20. Using such an exhaust apparatus for releasable connection to a personal protection respiratory device improves the service lifetime of the personal protection respiratory device by reducing the amount of excess air drawn through the filter system of the respirator during the wearer's exhalation process. The present disclosure further relates to a respirator 70 comprising such an exhaust apparatus 10, 10'.

IPC 8 full level

A62B 18/00 (2006.01)

CPC (source: EP)

A62B 18/006 (2013.01)

Citation (search report)

- [XI] EP 3498339 A1 20190619 - 3M INNOVATIVE PROPERTIES CO [US]
- [XA] DE 102016122411 A1 20180524 - WEIMA MASCHB GMBH [DE]

Cited by

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