

Title (en)
POWERED AIR PERSONAL RESPIRATOR

Title (de)
MOTORISIERTES PERSÖNLICHES BEATMUNGSGERÄT

Title (fr)
APPAREIL RESPIRATOIRE INDIVIDUEL ALIMENTÉ EN AIR

Publication
EP 3883656 A1 20210929 (EN)

Application
EP 19809898 A 20191122

Priority
• GB 201819120 A 20181123
• GB 2019053306 W 20191122

Abstract (en)
[origin: WO2020104815A1] A powered air personal respirator (10), comprises a housing (26), an oxygen sensor (28) carried by the housing (26), for measuring the content of oxygen in the surrounding atmosphere, and an alarm, wherein the powered air respirator (10) is arranged to trigger the alarm when the content of oxygen falls below a threshold value. The invention also relates to a method of calibrating the powered air respirator (10) by connecting a tubular connector (36) to the sensor (28), blowing air into the tubular adapter (36), obtaining a first reading of oxygen content in exhaled air, and comparing the first reading to oxygen content values expected in the exhaled air to confirm that the device is correctly calibrated.

IPC 8 full level
A62B 9/00 (2006.01); **A62B 18/00** (2006.01); **A62B 18/08** (2006.01)

CPC (source: EP GB)
A62B 7/00 (2013.01 - GB); **A62B 9/006** (2013.01 - EP GB); **A62B 18/006** (2013.01 - EP GB); **A62B 18/088** (2013.01 - EP); **A62B 27/00** (2013.01 - EP); **A61F 9/06** (2013.01 - EP)

Citation (search report)
See references of WO 2020104815A1

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)
WO 2020104815 A1 20200528; EP 3883656 A1 20210929; GB 201819120 D0 20190109; GB 2579210 A 20200617

DOCDB simple family (application)
GB 2019053306 W 20191122; EP 19809898 A 20191122; GB 201819120 A 20181123