

Title (en)

Breathing protection apparatus for a safety device such as protective mask, hood or clothing

Title (de)

Atemschutzeinrichtung für eine Schutzeinrichtung beispielsweise Schutzmaske, Schutzhaube oder Schutzanzug

Title (fr)

Appareil de protection respiratoire pour dispositif de sécurité comme masque, cagoule ou vêtement de protection

Publication

EP 1197244 A3 20021023 (DE)

Application

EP 01810969 A 20011004

Priority

CH 20032000 A 20001011

Abstract (en)

[origin: EP1197244A2] The device (1) has at least one filter (6) in an air channel (26), a fan (5) with a motor (20) driving a vane wheel (19) controlled by a sensor (3), an energy source and an electronic control circuit (7) controlling the fan power. The sensor is a volume or mass flow sensor mounted in the air channel that is independent of the fan and is controlled by the fan's control circuit so that the breathing air flow remains essentially constant.

IPC 1-7

A62B 18/00

IPC 8 full level

A62B 18/00 (2006.01)

CPC (source: EP US)

A62B 18/006 (2013.01 - EP US)

Citation (search report)

- [X] WO 9604043 A1 19960215 - SAFETY EQUIP AU PTY LTD [AU], et al
- [A] GB 2049925 A 19801231 - MARTINDALE PROTECTION LTD
- [A] DE 4111001 A1 19920924 - SIEBERT & KUEHN DR [DE]
- [A] US 5065745 A 19911119 - MEIER PETER [CH]
- [A] US 4513233 A 19850423 - GIAMMARRUSCO DAVID P [US]
- [A] US 5137428 A 19920811 - POLL HENNY [NL], et al

Cited by

CN105396234A; CN105498111A; EP3287641A1; GB2427564A; GB2427564B; US7810492B2; US10905902B2; WO2008108789A1; WO2015051897A1; US10927846B2; US9119979B2; WO2018036802A1; WO2011019778A1

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