

Title (en)  
PORTABLE BREATHING PROTECTION APPARATUS

Publication  
**EP 0420812 B1 19930616 (DE)**

Application  
**EP 90810722 A 19900920**

Priority  
CH 354189 A 19890929

Abstract (en)  
[origin: JPH03121080A] PURPOSE: To prevent a water drop from entering a housing and easily handle a device by fitting a filter to the housing, and providing a channel means for connecting a blower for drawing air into the housing and the filter to an inlet opening. CONSTITUTION: A commercial air filter 2 having an inlet 2b at the bottom and an outlet 2a at the top is removably installed on an arm 31 of a housing 3 of a respiration protection device 1. A blower is provided adjacent to a blower shell 3m of the housing 3, and a battery pack 6 is disposed on a main body 3b to supply power for a motor 5a. The air passes through a space 8a to reach an inlet opening 3e from both sides of the filter. The air flowing through the blower 5 is increased in pressure to flow in a channel 4 through a channel 5b, pass through the inside of the filter 2 from the inlet 2b and flow through the outlet 2a. Thus, the inlet opening is covered with a path adjacent to the filter to prevent entering of water drop or the like.

IPC 1-7  
**A62B 18/00**

IPC 8 full level  
**A62B 7/10** (2006.01); **A62B 18/00** (2006.01)

CPC (source: EP US)  
**A62B 18/006** (2013.01 - EP US)

Cited by  
EP0521829A1; US11623055B2; WO2018087379A3; WO2017103246A1; WO9118647A1

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DE FR GB IT SE

DOCDB simple family (publication)  
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