

Title (en)  
RESPIRATOR

Publication  
**EP 0094757 B1 19870729 (EN)**

Application  
**EP 83302484 A 19830503**

Priority  
GB 8214007 A 19820513

Abstract (en)  
[origin: EP0094757A2] The present invention relates to improvements in power assisted positive pressure respirators for use in contaminated atmospheres. The respirator comprises a facepiece 1 having an inlet 3 connected to a pump unit 5 for supplying air to the facepiece which has been filtered by filter means 11 connected to the pump unit inlet. The facepiece is also provided with an outlet provided with a one-way valve 2 which is biased to its closed position and is openable when a predetermined pressure above atmospheric pressure is established within the facepiece. To maximise use of the filter means 11, a one-way inlet valve 13 is provided intermediate the pump unit 5 and the facepiece 1, conveniently at the inlet to the facepiece, which is closed during exhalation by the wearer to thereby cause the pump to be placed in a condition in which, although it continues to operate, no or substantially no air is moved thereby, so that during this period, no or substantially no air is drawn through the filter means 11.

IPC 1-7  
**A62B 7/10**

IPC 8 full level  
**A62B 7/10** (2006.01); **A62B 9/02** (2006.01); **A62B 18/00** (2006.01)

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

Cited by  
EP0241188A1; CN104225829A; US5671730A; EP0130707A3; CN104248800A; DE3908057A1; EP0164946A3; US4905687A; AU610699B2; EP0182235A3; EP0448131A3; US5372130A; CN107405508A; EP3277386A4; GB2215615A; US4886056A; GB2215615B; CN116077848A; US7380551B2; US7543584B2; US7647927B2; US8113198B2; US10130831B2

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0094757 A2 19831123; EP 0094757 A3 19840516; EP 0094757 B1 19870729**; AT E28572 T1 19870815; AU 1399483 A 19831117; AU 554194 B2 19860814; DE 3372713 D1 19870903; FI 831691 A0 19830513; FI 831691 L 19831114; JP S58209362 A 19831206; NO 831677 L 19831114; ZA 833204 B 19840125

DOCDB simple family (application)  
**EP 83302484 A 19830503**; AT 83302484 T 19830503; AU 1399483 A 19830427; DE 3372713 T 19830503; FI 831691 A 19830513; JP 8289683 A 19830513; NO 831677 A 19830511; ZA 833204 A 19830505