

Title (en)  
Improvements in and relating to respirators.

Title (de)  
Athemschutzmasken.

Title (fr)  
Appareils respiratoires.

Publication  
**EP 0164946 A2 19851218 (EN)**

Application  
**EP 85303668 A 19850523**

Priority  
• GB 8414430 A 19840606  
• GB 8504828 A 19850225

Abstract (en)  
The present invention relates to a pump module (14) for a powered air purifying respirator assembly including a facepiece (1) and a filter canister (32). The pump module (14) comprises a housing (15) having an air inlet (16) and an air outlet (17) and containing a fan (22) and motor (24). The pump module is designed to be mounted directly on an air purifying respirator facepiece (1) for powering the respirator, the module (14) being intended either to be interposed between the respirator facepiece (1) and a filter canister (32), which may otherwise be connected to the respirator, or to be connected to the inlet of the filter canister (32). The fan (22) may be either an axial fan or a centrifugal fan, and the fan and motor may be arranged relative to the housing inlet (16) and outlet (17) so as to minimise the extent to which the module projects from the facepiece and/or so that the motor will at least in part counterbalance the weight of the filter canister (32) about the axis of the pump module housing outlet (17).

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

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

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

Cited by  
EP3120889A1; WO2005002655A1; US6895962B2; US6044842A; US6435184B1; CN108175969A; GB2215217A; JP2007506482A; US6564384B1; AU2004273546B2; DE10210878A1; FR2837108A1; DE10210878B4; FR2856930A1; AU2004253362B2; EP0893141A1; FR2766377A1; US6050262A; US5671730A; EP3838350A1; CN114845784A; FR2899484A1; EP2063945A4; EP3808412A1; US7007690B1; US5970975A; DE4133235A1; EP0536546A1; US5303701A; EP0352113A3; US5022900A; US6629527B1; US9119979B2; US6575165B1; US7947109B2; WO2021043688A1; WO2005028009A1; WO2021123007A1; WO2006124147A3; WO2007044274A1; US11883598B2; US8973576B2; US9662463B2; US10940280B2; US7013892B2; US7770578B2; US8667959B2; US10238822B2; WO2008028247A1; EP2211997B1; US9132252B2; US11213639B2; US7913692B2; US8375944B2; US8689791B2; US8844524B2; US9586016B2; US10549057B2; US7874290B2; US8596269B2; US8667962B2; US9381318B2; US10363385B2; US11547820B2

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

DOCDB simple family (publication)  
**EP 0164946 A2 19851218; EP 0164946 A3 19860625**; AU 4275385 A 19851212; DK 245185 A 19851207; DK 245185 D0 19850531; FI 852272 A0 19850606; FI 852272 L 19851207

DOCDB simple family (application)  
**EP 85303668 A 19850523**; AU 4275385 A 19850522; DK 245185 A 19850531; FI 852272 A 19850606