

Title (en)

Powered air supply units for respirators.

Title (de)

Luftversorgungseinheit mit Motorantrieb für Atemgeräte.

Title (fr)

Unité d'alimentation d'air à moteur pour respirateurs.

Publication

EP 0108560 A1 19840516 (EN)

Application

EP 83306532 A 19831027

Priority

GB 8231135 A 19821101

Abstract (en)

A powered air supply unit for a respirator for connection by a flexible hose to a facepiece or headpiece for supplying air thereto, comprises a generally rectangular housing (1) comprising side walls (2) closed at one end by an end wall (5) and at the other end defining an opening (3) with a stepped periphery in which one or more units (25, 27) of filter materials are located. A removable protective cover (4) retains the filter unit or units in opening (3) and is apertured to permit air to flow to opening (3). Within the housing, a centrifugal pump (13) with a d.c. motor (14) connected directly to the shaft (18) of the pump are provided side-by-side with a battery housing (15) for batteries to drive the motor. The inlet (21) of the pump (13) opens within the housing and the outlet (20) of the pump is connected directly to an outlet (6) in one side wall of the housing (1) and which is intended for connection to the flexible hose.

IPC 1-7

A62B 7/10

IPC 8 full level

A62B 7/10 (2006.01); **A62B 7/00** (2006.01); **A62B 18/00** (2006.01); **A62B 18/04** (2006.01)

CPC (source: EP)

A62B 7/00 (2013.01); **A62B 18/00** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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EP 0108560 A1 19840516; AU 2084883 A 19840510; DK 497683 A 19840502; DK 497683 D0 19831031; FI 833992 A0 19831031; FI 833992 A 19840502; GB 2128897 A 19840510; GB 8328709 D0 19831130; JP S5995067 A 19840531; NO 833934 L 19840502

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