

Title (en)

Tilt valve and breathing apparatus with which it is used.

Title (de)

Kippventil und Atemgerät, in welchem es verwendet wird.

Title (fr)

Souape basculante et respirateur dans lequel elle est utilisée.

Publication

EP 0019488 A1 19801126 (EN)

Application

EP 80301657 A 19800520

Priority

GB 7917667 A 19790521

Abstract (en)

A tilt valve incorporated in a demand regulator for breathing apparatus has a head (16) which seats over an opening (17) through which the valve stem (20) extends for operation by a pressure-responsive diaphragm (3). The opening (17) defines the outlet port of a chamber (12) wherein the head (16) is disposed, the inlet port (11) of the chamber (12) opening to the same side of the head (16) as the outlet port (17). Gas flowing from the inlet port (11) to the outlet port (17) therefore need not pass between the periphery of the head (16) and the surrounding wall of the chamber (12), so that the head (16) can be close fit in the chamber (12) to ensure a consistent seating of the head (16) over the valved port (17).

IPC 1-7

A62B 9/02; F16K 31/44

IPC 8 full level

A62B 9/02 (2006.01); **B63C 11/22** (2006.01)

CPC (source: EP)

A62B 9/025 (2013.01); **B63C 11/2227** (2013.01); **B63C 2011/2254** (2013.01)

Citation (search report)

- FR 1565483 A 19690502
- CH 320592 A 19570331 - AUERGESELLSCHAFT AG [DE]
- DE 955568 C 19570103 - AUERGESELLSCHAFT AG [DE]
- [D] DE 1185065 C
- [D] GB 949222 A 19640212 - KIDDE WALTER CO LTD
- [A] US 3490487 A 19700120 - DELOIRE RAYMOND
- [A] DE 1172500 B 19640618 - JEAN DUNZ
- [A] US 2854972 A 19581007 - CUMMINS RICHARD D

Cited by

EP1500585A1; GB2132489A; EP0825103A3; US7617825B2

Designated contracting state (EPC)

BE DE FR IT NL SE

DOCDB simple family (publication)

EP 0019488 A1 19801126; **EP 0019488 B1 19831207**; CA 1147630 A 19830607; DE 3065813 D1 19840112; ES 491628 A0 19810216; ES 8103329 A1 19810216; GB 2051313 A 19810114; GB 2051313 B 19830309; PT 71254 A 19800601

DOCDB simple family (application)

EP 80301657 A 19800520; CA 352409 A 19800521; DE 3065813 T 19800520; ES 491628 A 19800520; GB 8016535 A 19800520; PT 7125480 A 19800516