

Title (en)

Water collecting device for a breathing apparatus.

Title (de)

Wasserauffangeinrichtung für Atemschutzgeräte.

Title (fr)

Dispositif de séparation d'eau pour appareils respiratoires.

Publication

**EP 0011306 A1 19800528 (DE)**

Application

**EP 79104565 A 19791119**

Priority

DE 2850686 A 19781120

Abstract (en)

1. A water retention element for gas mask and breathing equipment, particularly of the type to be used under water, having a breathing box or canister sensitive to water, which canister being connected to a breathing tube with mouthpiece, said water retention element being so disposed as to be in the path of flow of the breathing tube between mouthpiece and breathing canister and filled with a retention or collector substance, characterized by the following features : a) the water retention element (1) is comprised of an exchange cartridge (21) containing the retention or collector substance, which cartridge being encapsulated on the bottom and periphery side in a housing (18, 19) ; b) the breathing tube (6), the housing (18, 19) and the exchange cartridge (21) is constructed in such a manner as to have the penetrating foreign water appear on the top side of the exchange cartridge (21) and the breathing air charged with humidity pass radially and to the outside over the surface of the cartridge ; and c) a spacer (17) is provided between the exchange cartridge (21) and the housing (18, 19) and mounted in such a manner that the breathing air between the inner circumference of the housing and the outer circumference of the exchange cartridge (21) may flow into the bottom region of the housing (18, 19) and from there into the breathing tube (6) located at the bottom of the housing (18, 19).

Abstract (de)

Bei einer Schutzeinrichtung für Atemschutzgeräte, und zwar insbesondere für Unterwasser-Atemschutzgeräte mit wasserempfindlichem Atemkanister, ist der Atemkanister (7) mit einem Atemschlauch (6) mit Mundstück (1) verbunden. Um ein Eindringen von Wasser in den Atemkanister beim Anlegen des Gerätes unter Wasser zu verhindern, ist eine Schutzvorrichtung vorgesehen, die aus einem Verschlußventil (3) und aus einem Wasserauffangelement (10) besteht. Diese Schutzvorrichtung ist im Strömungsweg des Atemschlauches (6) zwischen dem Mundstück (1) und dem Atemkanister angeordnet. Das Wasserauffangelement ist mit einem Speichermaterial (16) gefüllt, das Wasser durch Kapillarkräfte festhält. Das Speichermaterial (16) ist gekörnt und besteht z.B. aus Kieselgel oder Tonerdegel.

IPC 1-7

**A62B 7/08**; **A62B 9/00**

IPC 8 full level

**A62B 7/08** (2006.01); **A62B 9/00** (2006.01)

CPC (source: EP)

**A62B 7/08** (2013.01); **A62B 9/00** (2013.01)

Citation (search report)

- DE 2410684 A1 19750925 - VNII GORNOSPASATELNOWO DELA
- GB 271478 A 19280607
- DE 1246414 B 19670803 - AUERGESELLSCHAFT GMBH
- DE 208565 C

Cited by

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DOCDB simple family (application)

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