

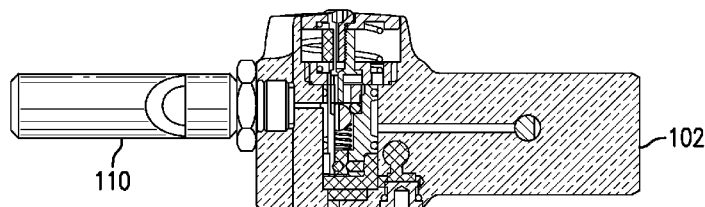
(51) International Patent Classification:
A62B 9/00 (2006.01)(21) International Application Number:
PCT/US2014/012684(22) International Filing Date:
23 January 2014 (23.01.2014)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/762,729 8 February 2013 (08.02.2013) US(71) Applicant: **HONEYWELL INTERNATIONAL INC.**
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Box 2245, Morristown, New Jersey 07962-2245 (US).(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY,
BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,
SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM,
ZW.(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).**Published:**

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))

(88) Date of publication of the international search report:
2 October 2014(54) Title: AUTOMATIC SWITCHING DEVICE FOR A BREATHING APPARATUS WITH AN ALARM-RELIEF FUNCTION
AND AUTOMATIC RESET**FIG. 14B**

(57) **Abstract:** Apparatus and associated methods relate to an automatic fluid alarm that provides an fluid-communication path between a secondary fluid source and a whistle port when a primary fluid source experiences a reduction in pressure, the automatic fluid alarm being user resettable by disconnecting the primary fluid source or otherwise reducing the primary source pressure and activating a reset member, thereby interrupting the fluid-communication path. In some examples, a piston member may provide a movable seal for providing the fluid-communication path and its interruption. An exemplary piston member may be slidably reset in a non-interrupting mode by an adequate primary fluid pressure, and slidably set in an interrupting mode by a user activation. The interrupting mode may silence the whistle which may facilitate user communication during what may be a stressful primary fluid source failure event. Some exemplary automatic fluid alarms may conserve secondary fluid when the whistle is silenced.



INTERNATIONAL SEARCH REPORT

International application No
PCT/US2014/012684

A. CLASSIFICATION OF SUBJECT MATTER
INV. A62B9/00
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
A62B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EP0-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 058 580 A (BRITISH NUCLEAR FUELS LTD) 15 April 1981 (1981-04-15) page 1, line 54 - line 110; figures 1-6 page 2, line 9 - line 51 -----	1-15
A	FR 2 691 635 A1 (MATISEC [FR]) 3 December 1993 (1993-12-03) page 4, line 19 - page 7, line 25; figures -----	1-15
A	DE 199 34 078 A1 (AUERGESELLSCHAFT GMBH [DE]) 8 February 2001 (2001-02-08) column 3, line 18 - column 5, line 2; figures -----	1-15



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Date of the actual completion of the international search

22 July 2014

Date of mailing of the international search report

29/07/2014

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2014/012684

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 2058580	A	15-04-1981	NONE	
FR 2691635	A1	03-12-1993	NONE	
DE 19934078	A1	08-02-2001	NONE	