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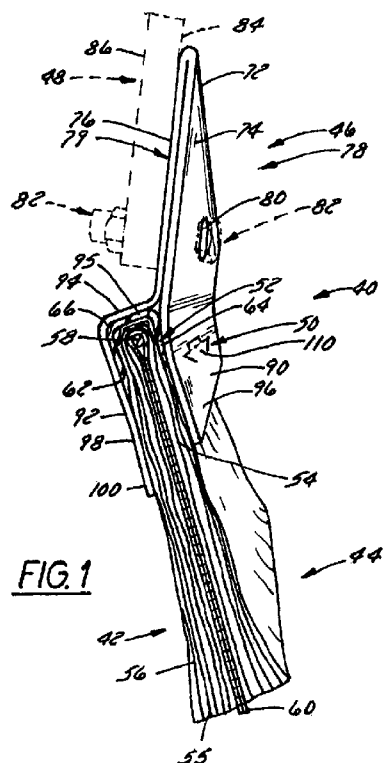
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- (71) **Applicant** (*for all designated States except US*):
SEALEZE, A UNIT OF JASON INCORPORATED
[US/US]; 8000 Whitepine Road, Richmond, VA 23237
(US).
- (72) **Inventors; and**
- (75) **Inventors/Applicants** (*for US only*): **FERRYMAN, Roger** [US/US]; 4410 Tweedsmuir Road, Moseley, VA 23210 (US). **FITZGERALD, Patrick** [US/US]; 4110

Crestwood Road, Richmond, VA 23227 (US). **CHRIS-MAN, David** [US/US]; 202 Sumwalt Street, Sandston, VA 23150 (US). **RAVULAPARTHY, Pavan, Kumar** [IN/US]; 4931 Garden Club Circle, Apt. 208, Glen Allen, VA 23059 (US).

- (74) **Agent: STEIN, David, D.;** Boyle Fredrickson, S.C., 840 North Plankinton Avenue, Milwaukee, WI 53203 (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, 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, IS, JP, KE, KG, KM, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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,

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- (54) Title:** QUICK CHANGE BRUSH SEAL RETAINING ARRANGEMENT



(57) Abstract: A quick change brush holder of a brush seal having a plurality of spaced apart deflectable brush retaining arrangements that include a tab that is bent into a brush receiving channel toward a brush engaging or retaining position to releasably retain a brush in the channel and that is bent away from the brush engaging or retaining position when it is desired to remove the brush or install a brush in the holder. Each tab has a brush abutment edge that abuts or stops a shoulder of a tape or spine of a brush in the channel preventing removal from the holder when disposed in a brush engaging or retaining position. The brush abutting edge extends generally parallel to the channel enabling a brush to be inserted transversely relative to a lengthwise extent of the holder tape or spine first into the holder.



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, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/041081**A. CLASSIFICATION OF SUBJECT MATTER****A46B 7/04(2006.01)i, A46B 7/00(2006.01)i**

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)

A46B 7/04; A46B 3/16; E21D 11/00; F16J 15/32; F01D 11/02

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: brush, holder, seal, sidewall, retainer

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2005-061035 A (SHOWA KOGYO KK) 10 March 2005 see Abstract, Claims, Figures	1-17
A	JP 2010-521230 A (REXNORD INDUSTRIES, LLC) 24 June 2010 see Abstract, Claims, Figures	1-17
A	WO 99-06673 A1 (EG & G SEALOL, INC.) 11 February 1999 see Abstract, Claims, Figures	1-17
A	WO 2010-063269 A2 (MTU AERO ENGINES GMBH et al.) 10 June 2010 see Abstract, Claims, Figures	1-17

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search

26 JANUARY 2013 (26.01.2013)

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28 JANUARY 2013 (28.01.2013)

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Korean Intellectual Property Office
189 Cheongsu-ro, Seo-gu, Daejeon Metropolitan
City, 302-701, Republic of Korea

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Authorized officer

CHO, Ho Jung

Telephone No. 82-42-481-5587



INTERNATIONAL SEARCH REPORT

Information on patent family members

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