



- (51) **International Patent Classification:**
F16J 15/00 (2006.01) *F16J 15/06* (2006.01)
- (21) **International Application Number:**
PCT/US2014/036566
- (22) **International Filing Date:**
2 May 2014 (02.05.2014)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
14/155,333 14 January 2014 (14.01.2014) US
- (72) **Inventor; and**
- (71) **Applicant :** VU, Kim, Ngoc [US/US]; 5605 Vista Del Mar, Yorba Linda, CA 92887-3284 (US).
- (74) **Agent:** STOUT, Donald, E.; Stout, Uxa & Buyan, LLP, 4 Venture, Suite 300, Irvine, CA 92618 (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))

- (54) **Title:** GASKET RETAINER FOR SURFACE MOUNT FLUID COMPONENT

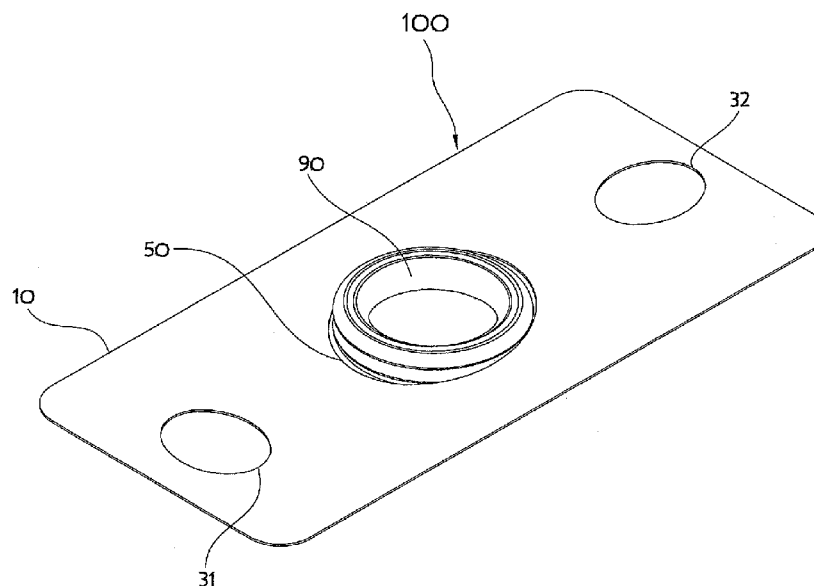


Fig. 1A

(57) **Abstract:** A gasket retainer that is absent sharp corners, has apertures of reasonable dimensional tolerance, and may be conveniently made by a variety of manufacturing processes. The retainer is made from thin flat springy material that readily returns to form after slight bending. Representative gasket capturing apertures are of smoothly non-convex outline with major dimension sufficiently large to allow passage of a ring shaped gasket turned on edge and minor dimension sufficiently small to engage, on approximately opposite circular segments that each engage along less than one third of a gasket circumference, a cavity or groove on the outside diameter periphery of the gasket turned flat parallel to the retainer material sheet. Fasteners may be retained by similar apertures.

