

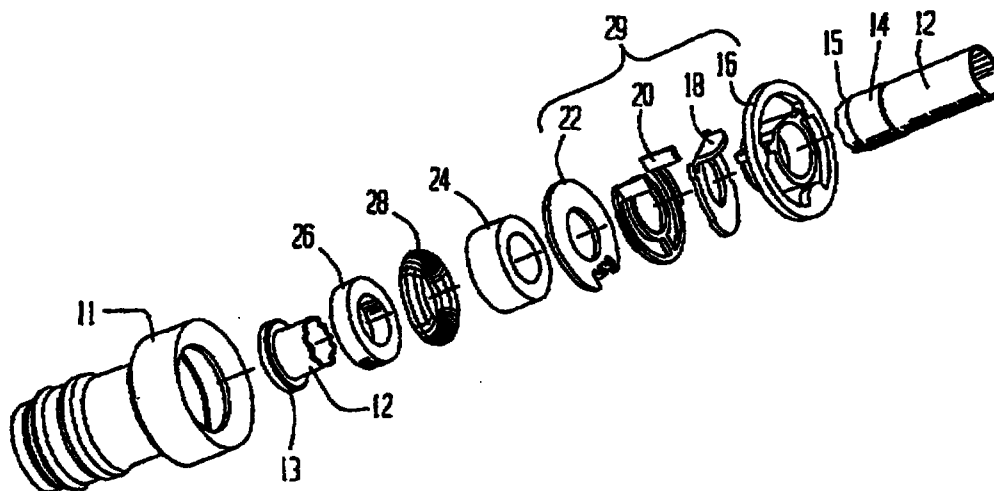
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(21) International Application Number: PCT/US95/12282 (22) International Filing Date: 26 September 1995 (26.09.95) (71) Applicant (for all designated States except US): PROPRIETARY TECHNOLOGY, INC. [US/US]; Suite 114, 2550 Telegraph Road, P.O. Box 7048, Bloomfield Hills, MI 48302-7048 (US). (72) Inventor; and (75) Inventor/Applicant (for US only): BARTHOLOMEW, Donald, D. [US/US]; Unit 32C, 35442 Jefferson, 400 On The Lake, Mt. Clemens, MI 48045 (US). (74) Agents: MILLER, H., Keith et al.; Harness, Dickey & Pierce, P.L.C., P.O. Box 828, Bloomfield Hills, MI 48303 (US).		(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, (SG) SI, SK, TJ, TM, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, MW, SD, SZ, UG), European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>

(54) Title: QUICK CONNECTOR WITH CONFIRMATION FEATURE



(57) Abstract

A quick connector-male conduit assembly (10) for use in a conduit coupling incorporates a hand-releasable, self-centering snap ring-like retainer (20) having a seating indicator (16) included therewith. The seating indicator (16) includes a pop-off ring (48) that goes around the male conduit (12), which is a part of the tubing leading to the connection to assist in the installation of the quick connector-male conduit assembly (10) into a female receptacle (11) and to positively indicate to the installer that the male conduit (12) has been properly locked to the female receptacle (11). The retainer (20) includes a pair of tabs (68) for easy manipulation by hand or tools for removal. The quick connector assembly (10) is on either a plastic or a metal male conduit (12), and can be as short as a threaded connection. The quick connector assembly (10) has no threads, and permit 360 degree rotation of the conduit (12).