

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
31 July 2008 (31.07.2008)

PCT

(10) International Publication Number
WO 2008/090363 A3

(51) International Patent Classification:

F16L 41/04 (2006.01) **B63C 7/16** (2006.01)

F16L 41/08 (2006.01)

(21) International Application Number:

PCT/GB2008/000273

(22) International Filing Date: 28 January 2008 (28.01.2008)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0701600.9 27 January 2007 (27.01.2007) GB

(71) Applicant (for all designated States except US): **DEEP TEK LIMITED** [GB/GB]; Kilburns House, Newport-on-Tay, Fife DD6 8PL (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **CRAWFORD, Alexander, Charles** [GB/GB]; Kilburns House, Newport-on-Tay, Fife DD6 8PL (GB).

(74) Agent: **MURGITROYD & COMPANY**; Scotland House, 165-169 Scotland Street, Glasgow G5 8PL (GB).

(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, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

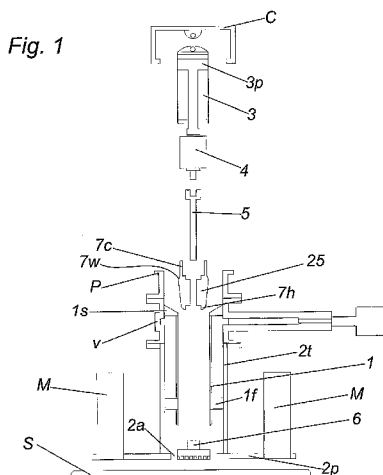
Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:

9 October 2008

(54) Title: METHOD AND APPARATUS FOR SECURING A CONDUIT TO A STRUCTURE



(57) Abstract: A method and apparatus for securing a conduit (1) to relatively inaccessible structures (S), for example, oil tanks on submerged ships. The method involves providing a conduit with a neck (1n), temporarily securing the conduit to the surface, for example by means of magnets (M), etc, drilling a hole through the structure and passing the neck of the conduit through the hole in the structure, and passing an expander device (7) through the neck of the conduit through the hole in the structure to widen a portion of the internal passage of the conduit in the region of the neck.