

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
27 December 2007 (27.12.2007)

PCT

(10) International Publication Number  
**WO 2007/147204 A1**

(51) International Patent Classification:

*E04F 17/00* (2006.01)      *F16L 55/115* (2006.01)  
*F16L 55/11* (2006.01)      *F16L 55/07* (2006.01)  
*F16L 57/00* (2006.01)      *F16L 55/24* (2006.01)  
*E04F 17/08* (2006.01)

(21) International Application Number:

PCT/AU2007/000855

(22) International Filing Date: 19 June 2007 (19.06.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

|            |                               |    |
|------------|-------------------------------|----|
| 2006903282 | 19 June 2006 (19.06.2006)     | AU |
| 2006905600 | 9 October 2006 (09.10.2006)   | AU |
| 2007900209 | 17 January 2007 (17.01.2007)  | AU |
| 2007900745 | 14 February 2007 (14.02.2007) | AU |
| 2007901941 | 13 April 2007 (13.04.2007)    | AU |

(71) Applicant and

(72) Inventor: **ROTHLEITNER, Craig** [AU/AU]; 3/584  
Canning Highway, Attadale, Perth, Western Australia  
6156 (AU).

(81) Designated States (*unless otherwise indicated, for every*

*kind of national protection available*): AE, AG, AL, AM, 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, 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*

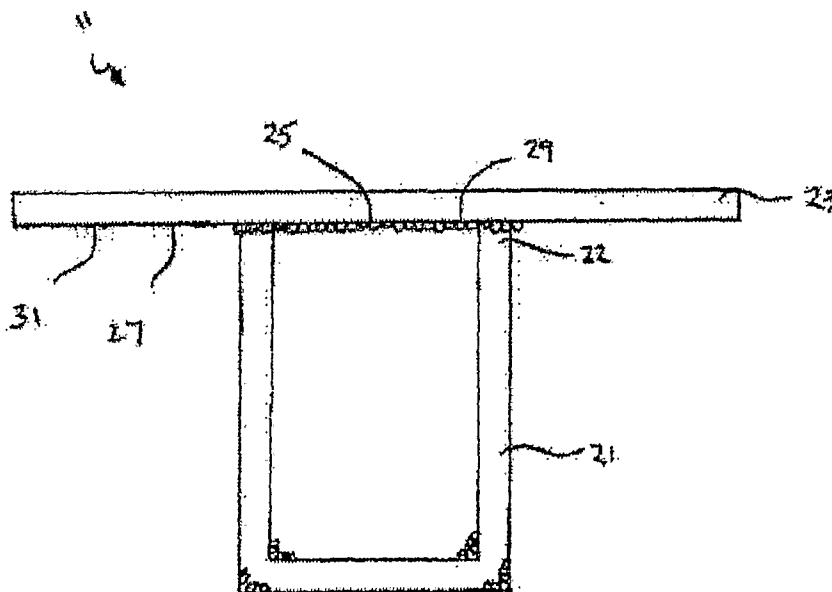
*kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— *with international search report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: PLUG ASSEMBLY



(57) **Abstract:** A plug assembly (11) adapted to be received in an opening at a first end of a pipe (13) for preventing debris passing therein. The plug assembly (11) comprises a first portion (21) adapted to be received in the opening, and a second portion (23) to ensure the first portion (21) does not move inwardly away from the opening. The plug assembly (11) also comprises a drainage means (33) to allow fluid to pass through the plug assembly (11).