

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
5 January 2006 (05.01.2006)

PCT

(10) International Publication Number
WO 2006/001711 A2

(51) International Patent Classification : ⁷
F17C 1/02, 3/02, 13/00, 13/08, B65D 90/02, 90/52

(21) International Application Number:
PCT/NO2005/000232

(22) International Filing Date: 27 June 2005 (27.06.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
20042702 25 June 2004 (25.06.2004) NO

(71) Applicants (for all designated States except US): **DET NORSKE VERITAS AS** [NO/NO]; Veritasveien 1, N-1322 HØVIK (NO). **BAKKEN, Kåre** [NO/NO]; Eikedalen 3, N-3474 ÅROS (NO).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BERGAN, Pål, G.** [NO/NO]; Vesthellinga 1B, N-1397 NESØYA (NO).

(74) Agents: **ONSAGERS AS** et al.; P.O.Box 6963 St. Olavs plass, N-0130 OSLO (NO).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

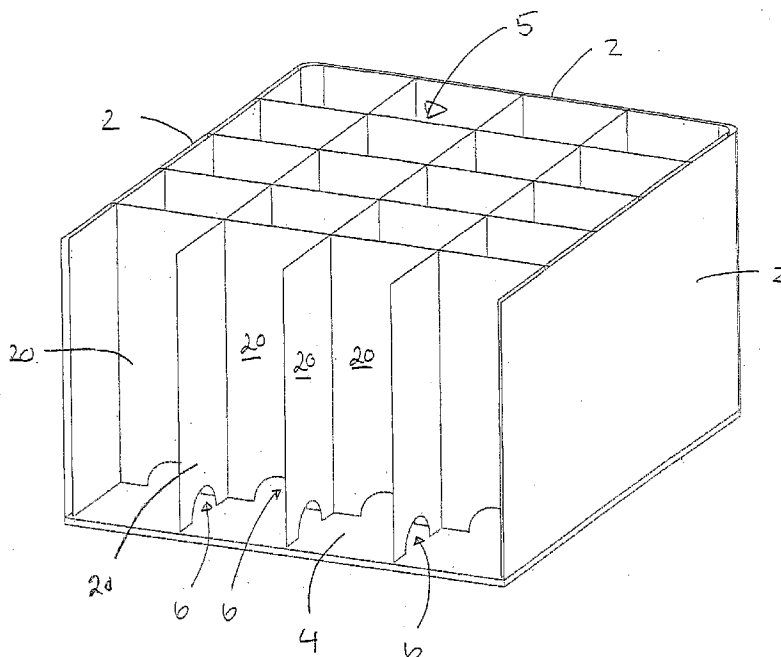
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, 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:

— without international search report and to be republished upon receipt of that 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: CELLULAR TANKS FOR STORAGE OF FLUID AT LOW TEMPERATURES



(57) Abstract: The invention regards a tank for storing of fluid at very low temperature, as LNG, which tank comprises external plates, forming roof, side walls and floor, and an internal cell structure with fluid communication between all the cells in the cell structure at floor level of the tank. At least a part of the external plate comprises a layered structure and where the internal cell structure is formed as self equilibrating support and or anchoring for the external plates. The invention also regards a cell structure for use in a tank for storing fluid.

WO 2006/001711 A2