

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
28 February 2008 (28.02.2008)

PCT

(10) International Publication Number
WO 2008/024653 A3

(51) International Patent Classification:
E02D 27/38 (2006.01) *B65D 88/78* (2006.01)

(21) International Application Number:
PCT/US2007/075886

(22) International Filing Date: 14 August 2007 (14.08.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/506,288 19 August 2006 (19.08.2006) US

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(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, 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.

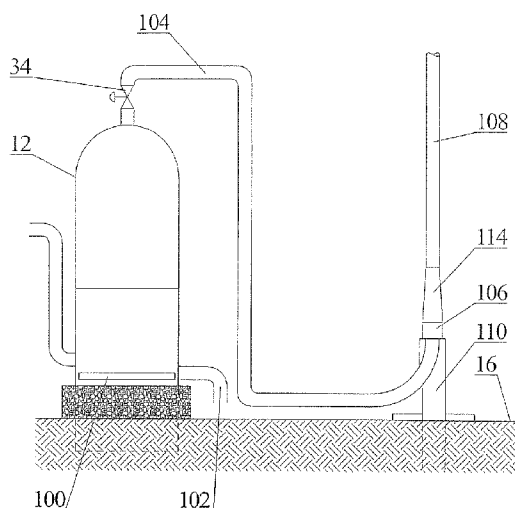
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, 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
— 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:
30 October 2008

(54) Title: DEEP WATER GAS STORAGE SYSTEM



(57) Abstract: A deep ocean gas storage system for storing compressed gas, the system comprising an inflexible thin walled storage vessel anchored to the sea floor having an axis located in water substantially perpendicular to and on a sea floor below sea level, a gas intake for admitting and discharging compressed natural gas to and from the vessel; a water port for admitting and discharging water to the vessel using hydrostatic pressure to discharge compressed gas from the vessel at a substantially constant discharge pressure as the volume of the gas in the storage vessel decreases when water content of the vessel increases; a conduit fluidly connected with the water port oriented substantially parallel to the axis having a discharge opening above the level of sea water in the vessel; and a valve disposed at the gas intake to the vessel for controlling compressed gas admission and discharge.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/75886

A. CLASSIFICATION OF SUBJECT MATTER

IPC: E02D 27/38(2006.01);B65D 88/78(2006.01)

USPC: 137/236.1;405/53,59,210

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 137/236.1; 405/53, 59, 210

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
NONE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4,209,271 A (MCCABE et al) 24 June 1980 (24.06.1980), column 3, line 35 through column 4, line 19.	1, 2, 4-7, 9, 10, 13, 16, 17 and 19
Y	US 6,817,809 B2 (CHOI et al) 16 November 2004 (16.11.2004), column 4, line 40 through column 5, line 20.	1
Y	US 3,835,653 A (HIX, JR.) 17 September 1974 (17.09.1974), column 2, lines 9-13.	3 and 18
Y	US 5,201,611 A (KOMAKI et al) 13 April 1993 (13.04.1993), column 1, lines 60-64.	11 and 12

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A"	document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search
22 May 2008 (22.05.2008)

Date of mailing of the international search report
21 AUG 2008

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