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AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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(54) Title: PLASTIC HATCH COVER

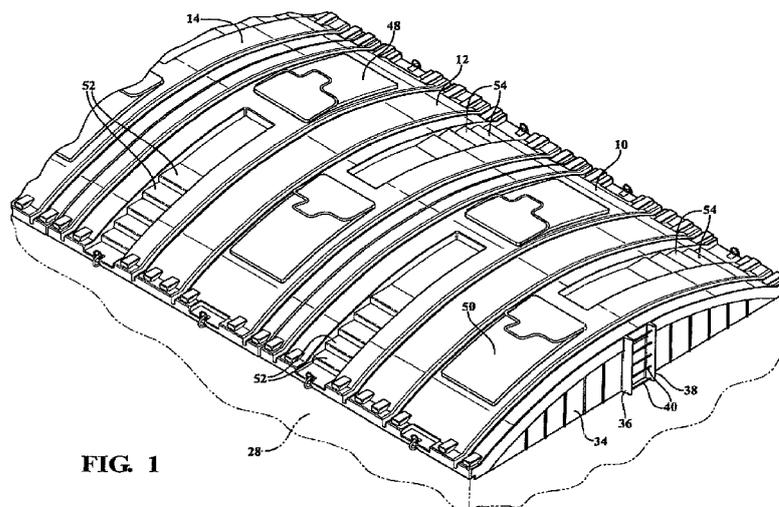


FIG. 1

(57) Abstract: A cover for use with an elongated opening associated with a transportable barge (28). The cover includes a number of inter-engageable cover sections (12, 14), each exhibiting a plasticized construction and extending in both widthwise and lengthwise fashion relative to an upper lip edge defining an open perimeter of the barge. Each cover section exhibits pairs of opposing lifting eyes and associated locking pins, these being defined along outer extending side edge locations of each cover section and is adapted to securing the cover section upon the barge perimeter defining edge. Each cover further includes a four point locking and unlocking feature activated by a lift handle for selectively opening a cargo carrying interior associated with the barge. A plurality of structurally strengthening trusses are also incorporated into each individually assemble - able barge section in combination with an in molded ladder associated with each end wall section.



INTERNATIONAL SEARCH REPORT

International application No
PCT/US2012/037929

A. CLASSIFICATION OF SUBJECT MATTER
INV. B63B19/18 B63B25/06 B63B17/02 B63B35/28
ADD.
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)
B63B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 352 046 B1 (BERG SR ROBIN L [US] ET AL) 5 March 2002 (2002-03-05) cited in the application	1
Y	the whole document	2-8, 11-16
Y	----- US 2002/189519 A1 (BERG ROBIN [US] ET AL BERG SR ROBIN [US] ET AL) 19 December 2002 (2002-12-19) the whole document	2,3, 11-16
A,P	----- WO 2009/021112 A2 (LINARES MIGUEL [US]) 12 February 2009 (2009-02-12) the whole document	1-3
Y	----- US 3 312 990 A (WILLIAM LAPWORTH CHARLES) 11 April 1967 (1967-04-11)	4-8
A	column 3, line 8 - line 57; figures 1-7 ----- -/--	9,10

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
- "E" earlier application or patent but published on or after the international filing date
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- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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- "&" document member of the same patent family

Date of the actual completion of the international search 29 August 2013	Date of mailing of the international search report 04/09/2013
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer De Sena Hernandorena
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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2012/037929

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 778 815 A (JONES BARRY D [CA] ET AL) 14 July 1998 (1998-07-14) column 5, line 35 - column 6, line 41; figures 1-10	1-16
A	----- US 3 730 128 A (BURWELL R) 1 May 1973 (1973-05-01) the whole document -----	1-16

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/037929

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-3, 11-16

Hatch cover with internal trusses

2. claims: 4-10

Hatch cover with integrated door having a specific securing system

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2012/037929

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6352046	B1	05-03-2002	AR 033508 A1
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			WO 9836962 A1

US 3730128	A	01-05-1973	NONE
