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(30) Priority: **17.02.2006 US 357521**

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(54) **Pressure differential manlid and methods of discharging a shipping container using a pressure differential**

(57) A mock manlid system (112) includes a lid defining a first side and an opposing second side and an aperture through which a valve assembly (130) is coupled. The lid seats about a manhole (178) of a shipping

container with a conventional manlid (184) retracted. The valve assembly connects to a spillbox (114) located in the manhole for discharging the shipping container under pressure.

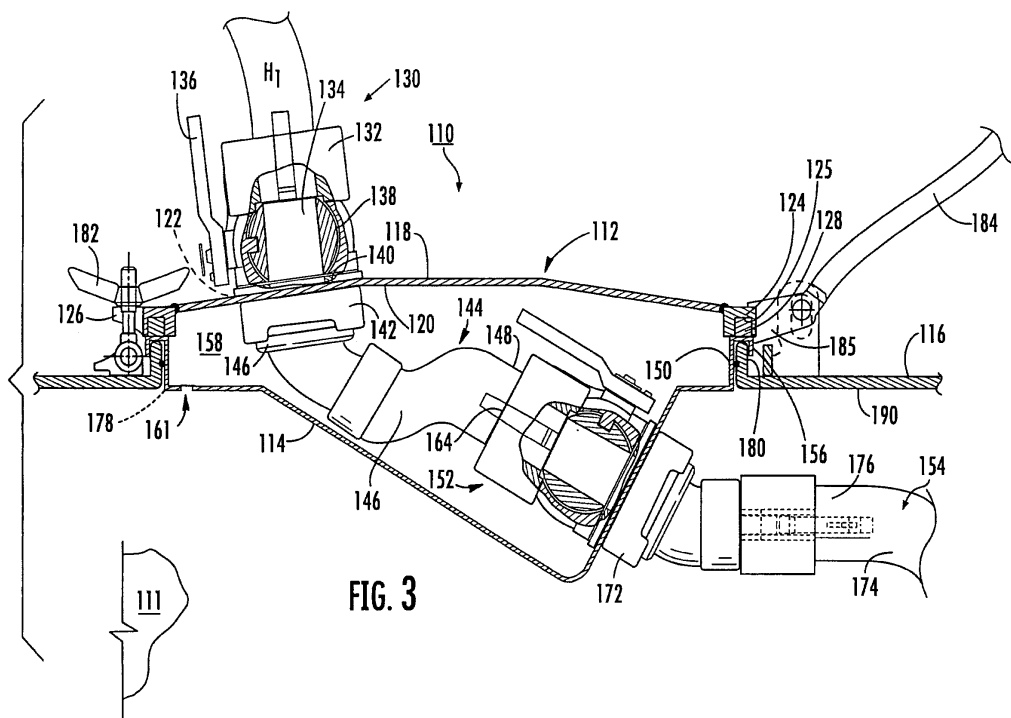


FIG. 3



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EUROPEAN SEARCH REPORT

Application Number
EP 07 10 2541

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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A	* the whole document *	7,11	
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A	EP 1 568 622 A (FUJI PHOTO FILM CO LTD [JP]) 31 August 2005 (2005-08-31) * column 12, paragraph 42 - column 13, paragraph 44 * * figure 1 *	22,26	
A	LU 38 593 A (VANLAER GÉRARD) 4 July 1960 (1960-07-04) * page 10, paragraph 2 - page 13, paragraph 1 * * figure 1 *	22,26	TECHNICAL FIELDS SEARCHED (IPC) B65D B60P
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 22 November 2007	Examiner Piolat, Olivier
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>			

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EPO FORM 1503 03.82 (P04C01)

**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- ☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



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**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
EP 07 10 2541

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1, 2-21

A manlid system for use with a spillbox

2. claims: 22, 23-26

A manlid system for use with a liner

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 07 10 2541

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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22-11-2007

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