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(54) **TANK CONTAINER WITH INCREASED VOLUME AND LOAD CAPACITY**

(57) The present invention relates, in a first aspect, to a tank container, the use of a tank container, and a system for storing and/or transporting a gas and/or liquid, which tank container comprises an elongated, mainly cylindrical tank vessel, a frame and at least one outlet valve, wherein the frame comprises a front and back frame each with 2 or 4 corner castings with facilities for receiving or engaging with connection means, which are attached to said tank vessel of the tank container, characterized in that the gross weight of the tank container is more than 40000 kg (up to 75000 kg inclusive). By means of a better material quality for the corner castings of the tank container, it can be prevented that the container deforms permanently in case of high tonnages, e.g. when lifting.

In a second aspect, the invention relates to a box container with 4 bottom corner castings, the use of a box container, and a system for storing and/or transporting solids, whereby the gross weight of the box container is more than 40000 kg (up to 75000 kg inclusive).

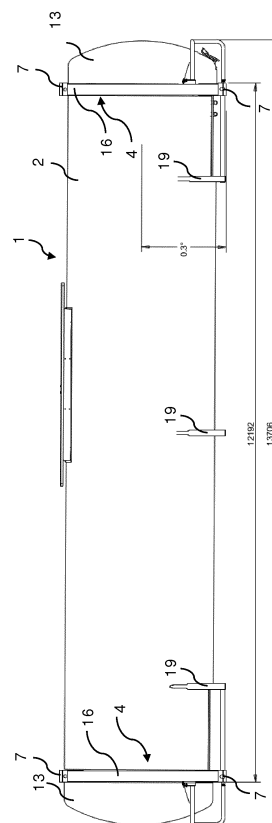


FIG. 1



## EUROPEAN SEARCH REPORT

Application Number  
EP 16 17 5110

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X,D	EP 2 730 832 A2 (HOOIJ NV VAN [BE]) 14 May 2014 (2014-05-14) * paragraph [0023] - paragraph [0035]; figures 1,2 *	1-11, 13-15	INV. F17C13/08
X	US 2010/320727 A1 (HAUT KENNETH [US] ET AL) 23 December 2010 (2010-12-23) * paragraphs [0004] - [0008], [0077] - [0114]; figures 1-37 *	1-11, 13-15	
X	JP 2004 106746 A (SANYO UNYU KK) 8 April 2004 (2004-04-08) * paragraph [0036]; figures 1-7 *	1-11, 13-15	
X	NL 9 301 710 A (HENDRIK BERNARDUS BASTIAAN VAN) 1 February 1994 (1994-02-01) * page 1 - page 7; figures 1-9 *	1-11, 13-15	
			TECHNICAL FIELDS SEARCHED (IPC)
			F17C
<p>1 <del>The present search report has been drawn up for all claims</del></p>			
Place of search <b>Munich</b>		Date of completion of the search <b>2 November 2016</b>	Examiner <b>Nicol, Boris</b>
CATEGORY OF CITED DOCUMENTS 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		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 & : member of the same patent family, corresponding document	

EPO FORM 1503 03.02 (P04C01)



Application Number

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**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due 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 those claims for which no payment was due.

**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:

1-11, 13-15

☐ The present supplementary 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 (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION  
SHEET B**

Application Number  
EP 16 17 5110

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: 1-11, 13-15

Tank container for storing and/or transporting gas and/or liquid or solid, and use of the tank.

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2. claim: 12

Wagon which is optimized for compactness, improved braking and low noise, with TSI noise level preferably below 78 dB(A).

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

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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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