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(54) **Collection container of a refuse collection vehicle**

(57) The present invention relates to a collection container (1) of a refuse collection vehicle. The collection container (1) comprises at least three chambers (2, 3, 4) with as many tailgates (7, 8, 9) for collecting and compacting refuse. The collection container (1) also comprises bin lift (17), with which refuse bins (18) are arranged to be tipped over the hoppers (10, 11, 12) of the tailgates (7, 8, 9), whereby the bin lift (17) is connected to the collection container (1) through a substantially U-shaped

carrier arm (19). The tailgates (7, 8, 9) are arranged to be turnable around a rotation axis (14, 15, 16) on an edge of a loading and dumping opening so as to free the chambers (2, 3, 4) for emptying the refuse collected therein. So as to empty the chambers (2, 3, 4) of the collection container (1), two outer tailgates (7, 8) are turnable around a substantially vertical axis (14, 15), while a tailgate (9) between the outer tailgates (7, 8) is turnable around a horizontal axis (16).

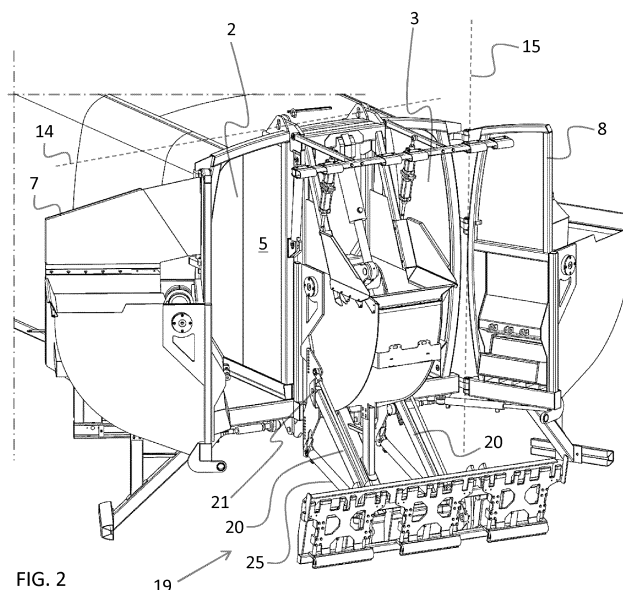


FIG. 2



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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)
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A	* paragraph [0017] - paragraph [0023] * * figures 1-4 *	10	
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A	* page 4, line 5 - page 7, paragraph 31 * * figures 1-7 *		
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 14 September 2015	Examiner Smolders, Rob
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	

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EUROPEAN SEARCH REPORT

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 14 September 2015	Examiner Smolders, Rob
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			

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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:

☐ 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

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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: 1-5

A collection container of a refuse collection vehicle, the collection container comprising at least three chambers with as many tailgates for collecting and compacting refuse, a bin lift with which refuse bins are arranged to be tipped over a hopper of a tailgate, whereby the bin lift is connected to the collection container through a substantially U-shaped carrier arm, and the tailgates are arranged to be turnable around a rotation axis on an edge of a loading and dumping opening so as to free the chambers for emptying the refuse collected therein, whereby two outer tailgates are turnable around a substantially vertical axis, while the tailgate between the outer tailgates is turnable around a horizontal axis.

2. claims: 6-10

A bin lift intended to feed a collection container of a refuse collection vehicle with refuse, the bin lift having a substantially U-shaped carrier arm that is pivoted to the collection container of the refuse collection vehicle, the carrier arm comprises at least two substantially parallel levers that extend from articulated fasteners in the collection container toward the back of the collection container and a crossbar pivoted to the levers and comprising a frame that has gripping units movable along the frame so as to grip lifting mountings of a refuse bin brought close to the refuse collection vehicle, the bin lift further comprising at least two gripping units, the gripping units being arranged to be movable along the frame independently of each other.

**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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14-09-2015

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82