(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) **EP 4 548 830 A1**

(12) **EUROPEAN PATENT APPLICATION**

(43) Date of publication:
07.05.2025 Bulletin 2025/19

(21) Application number: **24209646.9**

(22) Date of filing: **29.10.2024**

(51) International Patent Classification (IPC):
A47L 13/58 *(2006.01)*

(52) Cooperative Patent Classification (CPC):
A47L 13/58

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA
Designated Validation States:
GE KH MA MD TN

(30) Priority: **30.10.2023 ES 202331906 U**

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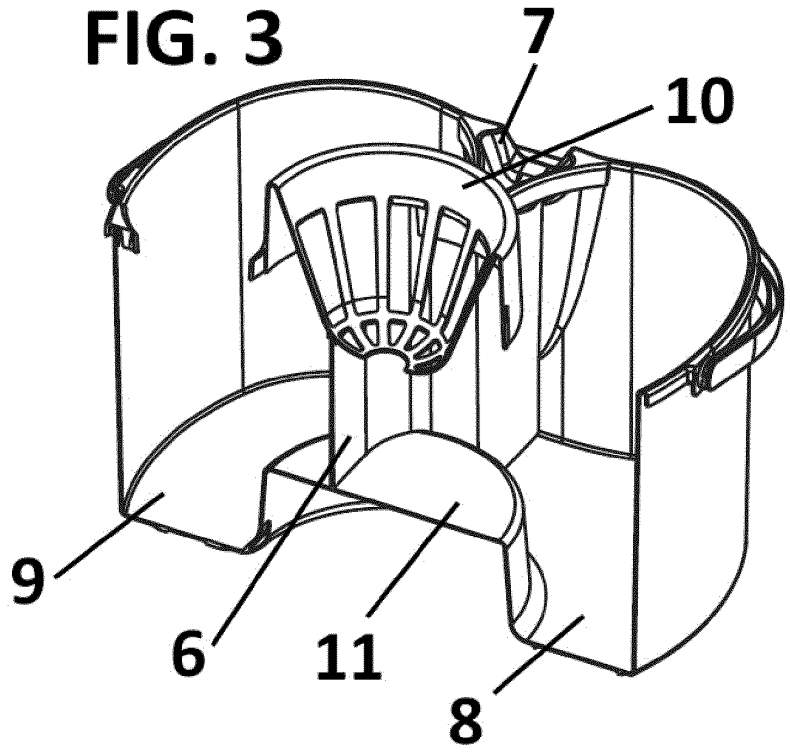
(54) CONTAINER FOR FLOOR MOPPING

(57) The Container (1) for floor mopping comprises a bottom (3), a side wall (2), a wringer (10), and a dividing wall (6), which divides the interior of the container (1) into a first and second zones (8, 9), the area of the first zone (8) being greater than the area of the second zone (9).

It permits to provide a floor mopping container that optimizes water usage during mopping.

FIG. 3



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Description

Field of the invention

[0001] The present invention relates to a container for floor mopping, for holding water for floor mopping and which is provided with a wringer for wringing out a mop during floor mopping.

Background of the invention

[0002] For mopping and cleaning floors, it is common to use containers or buckets that contain clean water, so a mop is placed in these containers to be used for cleaning the floor.

[0003] In addition, these floor mopping containers comprise a wringer, to wring out the mop, which usually protrudes above the container, making it difficult or preventing the stacking of several containers for transportation and storage.

[0004] In addition, these containers also include a handle for their transportation. When the container is full of water, handling it can be uncomfortable due to the weight of the water, and it can become unbalanced, causing some of the water to spill out of the container.

[0005] An example of a floor scrubbing container is described in utility model ES 1 227 066 U, of the same inventors as the present application. In this utility model, it is described that the floor scrubbing container has an inverted frustoconical geometry to allow stacking, improving the distribution logistics, but requiring the wringers to be distributed separately.

Disclosure of the invention

[0006] Therefore, an objective of the present invention is to provide a container for floor mopping that optimizes the use of water during mopping.

[0007] With the container for floor mopping of the invention said disadvantages are solved, presenting other advantages that will be described below.

[0008] The container for floor mopping in accordance with the present invention is described in claim 1, and the dependent claims include additional features that are optional.

[0009] Specifically, the container for floor mopping comprises a bottom, a side wall, a wringer, and a dividing wall that separates the interior of the container into first and second zones, with the area of the first zone being larger than the area of the second zone.

[0010] In this way, it is possible to separate dirty water from clean water, the zone for dirty water being larger than the zone for clean water, in order to optimize water usage during mopping. Thus, the second zone, which is for clean water, can be filled to its maximum height, while in the first zone, for dirty water, it is only filled to a height below the bottom level of the wringer.

[0011] Advantageously, the wringer is located on the dividing wall shifted towards the first zone, so that when wringing the mop, the dirty water will pass to the first zone.

[0012] According to a preferred embodiment, the dividing wall comprises a portion that is displaced towards the second zone.

[0013] In addition, to allow stacking two containers without having to remove the wringer, the container according to the present invention also comprises a cavity located at the bottom corresponding to the position of the wringer.

[0014] Preferably, the height of the first zone is greater than the height of the second zone, so that, as indicated above, the second zone, which is for clean water, can be filled to its maximum height, while in the first zone, for dirty water, it is only filled to a height below the lower level of the wringer.

[0015] Preferably, the container for floor mopping according to the present invention also comprises a handle hinged to the side wall of the container, the handle comprising a plurality of notches, in particular, more than four.

[0016] Moreover, preferably, the side wall is perpendicular with respect to the bottom.

[0017] The container for floor mopping according to the present invention also comprises a diffuser arranged in correspondence with the dividing wall for the distribution of water in the first and second zones, said distribution being unequal.

[0018] Advantageously, said diffuser comprises a recess that allows placing and removing the container according to the present invention in or from a sink without having to tilt the container, preventing water from spilling out.

[0019] In addition, preferably, the wringer is welded or snap-fitted to the side wall.

Brief description of the drawings

[0020] For better understanding of what has been disclosed, some drawings in which, schematically and only by way of a non-limiting example, a practical case of embodiment is shown.

Figure 1 is a perspective view of two containers for floor mopping, one on top of the other, before they are stacked;

Figure 2 is a perspective view of two stacked containers for floor mopping;

Figure 3 is a perspective view of a container for floor mopping according to the present invention in a vertical sectional view; and

Figure 4 is a perspective view of a container for floor mopping according to the present invention in a horizontal sectional view.

Description of a preferred embodiment

[0021] In figure 1, the container for floor mopping according to the present invention is shown, generally identified by reference number 1.

[0022] The container (1) comprises a side wall (2) and a bottom (3), the side wall (2) being perpendicular to the bottom (3), according to the depicted embodiment. In addition, the container (1) also includes a wringer (10) for wringing out a mop.

[0023] In order to allow stacking, the container (1) comprises a cavity (11) located at the bottom (3), corresponding to the position of the wringer (10), as shown in figure 1.

[0024] The container (1) also comprises a handle (4) hinged with respect to the side wall (2) provided with a plurality of notches (5), specifically, more than four, which facilitate the handling of the container (1) and allow balancing the center of gravity, particularly when the container is filled with water.

[0025] The container (1) also comprises a dividing wall (6), which divides the interior of the container (1) into a first zone (8) and a second zone (9), the area of the first zone (8) being greater than the area of the second zone (9), the first zone (8) being for dirty water and the second zone (9) for clean water, and the wringer (10) being located on the dividing wall (6), but displaced towards the first zone (8). Thus, the volume defined by the first zone (8) is greater than the volume defined by the second zone (9), the volume being the area multiplied by the height of each zone.

[0026] In addition, the height of the first zone (8) is preferably greater than the height of the second zone (9).

[0027] For example, the first zone (8) can cover 80% of the area of the container (1), while the second zone (9) can cover 20% of the area of the container (1), although they could cover different percentages.

[0028] As can be seen in figure 4, the dividing wall (6) comprises a portion displaced towards the second zone (9), with the ends of the dividing wall (6) substantially centered in the container.

[0029] The container (1) also comprises a diffuser (7) for filling the container (1) with water, which is also located on the dividing wall (6). The diffuser (7) distributes the water to the first and second zones (8, 9), but unevenly.

[0030] Furthermore, the diffuser (7) comprises a recess that allows placing and removing the container (1) according to the present invention in or from a sink without having to tilt the container (1), preventing water from spilling out.

[0031] Thus, water usage is optimized during mopping, as the second zone (9) can be filled with clean water up to its maximum height, while the first zone (8) can be filled with dirty water up to the lower level of the wringer (10).

[0032] In addition, the container (1) for floor mopping according to the present invention can be stacked with other identical containers, without the need to remove the wringer (10).

[0033] Although reference has been made to specific embodiments of the invention, it is apparent to a person skilled in the art that the described container for floor mopping is susceptible of numerous variations and modifications, and that all the details mentioned can be replaced by other technically equivalents, without departing from the scope of protection defined by the appended claims.

Claims

1. Container (1) for floor mopping, comprising a bottom (3), a side wall (2), and a wringer (10), **characterized in that** the container (1) comprises a dividing wall (6), which divides the interior of the container (1) into a first and second zones (8, 9), the area of the first zone (8) being greater than the area of the second zone (9).

2. Container (1) for floor mopping according to claim 1, wherein the wringer (10) is located on the dividing wall (6) displaced towards the first zone (8).

3. Container (1) for floor mopping according to claim 1 or 2, wherein the dividing wall (6) comprises a portion that is displaced towards the second zone (9).

4. Container (1) for floor mopping according to any of the preceding claims, which also comprises a cavity (11) located at the bottom (3) corresponding to the position of the wringer (10).

5. Container (1) for floor mopping according to any one of the preceding claims, wherein the height of the first zone (8) is greater than the height of the second zone (9).

6. Container (1) for floor mopping according to any one of the preceding claims, further comprising a handle (4) hinged to the side wall (2) of the container (1), said handle (4) comprising more than four notches (5).

7. Container (1) for floor mopping according to any of the preceding claims, wherein the side wall (2) is perpendicular with respect to the bottom (3).

8. Container (1) for floor mopping according to any one of the preceding claims, which also comprises a diffuser (7) arranged in correspondence with the dividing wall (6) for the distribution of water in the first and second zones (8, 9).

9. Container (1) for floor mopping according to claim 8, wherein said diffuser (7) comprises a recess.

10. Container (1) for floor mopping according to claim 1, wherein the wringer (10) is welded or snap-fitted to

the side wall (2).

FIG. 1

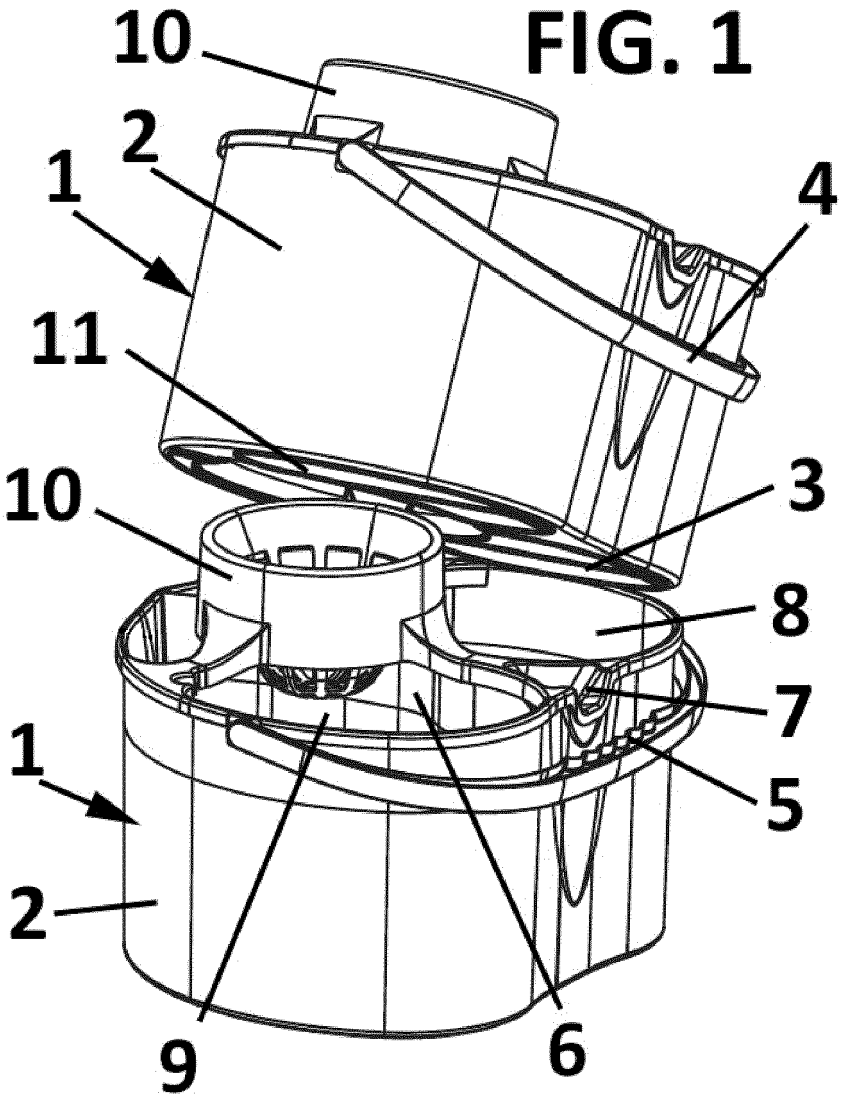


FIG. 2

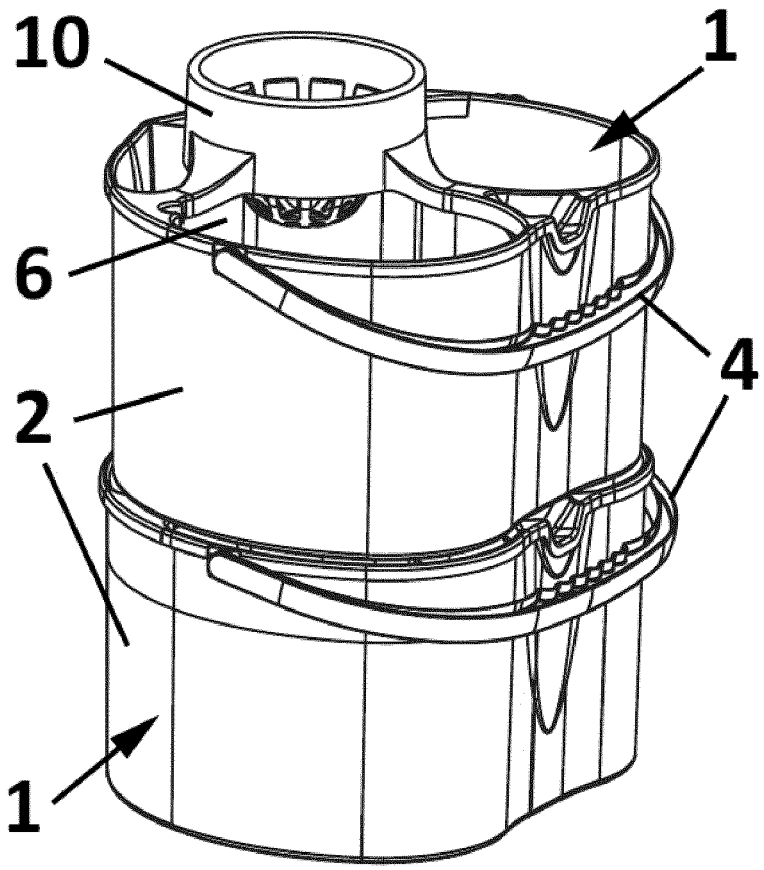


FIG. 3

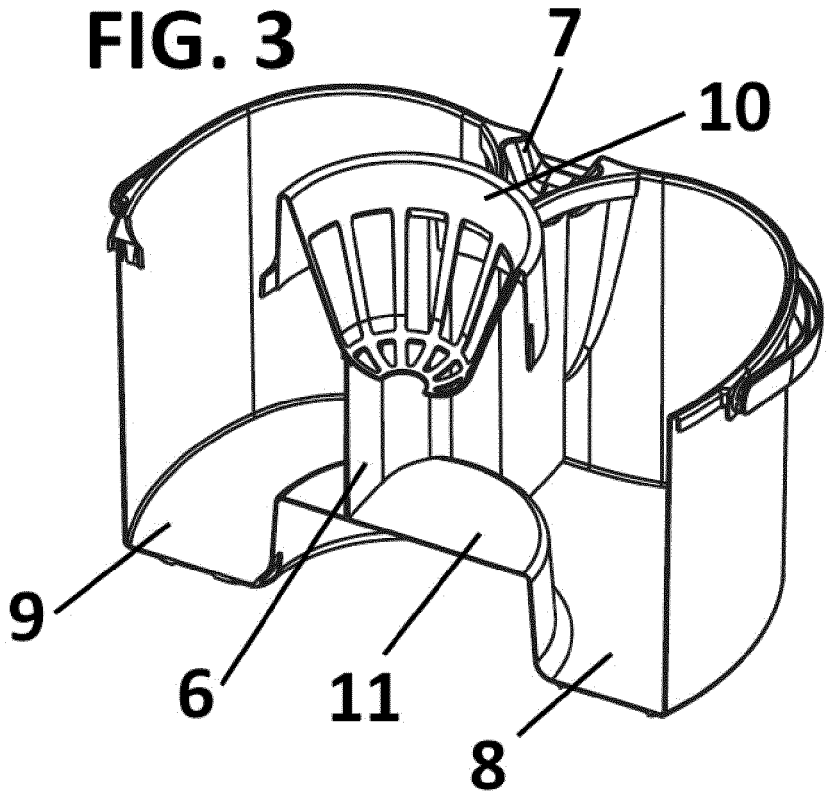
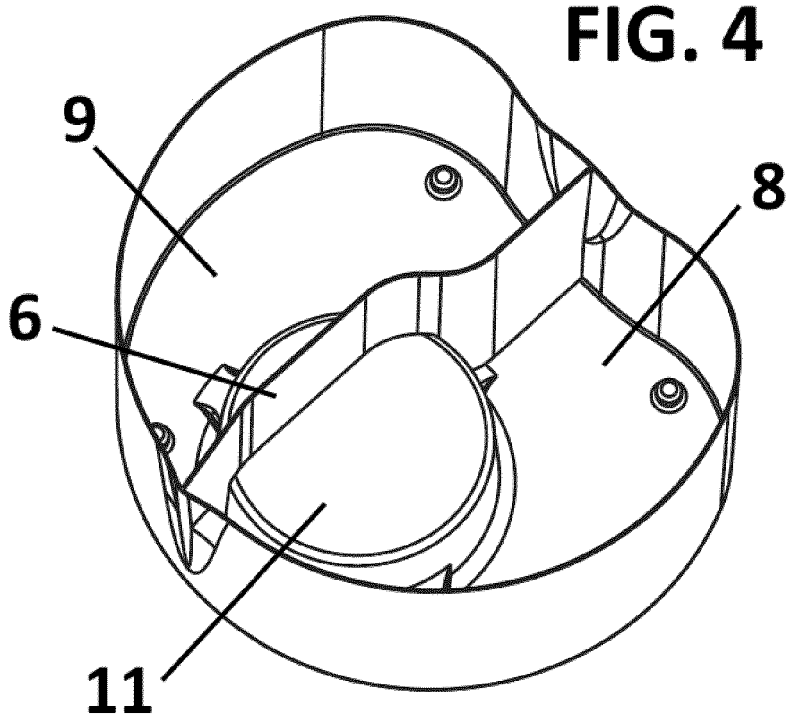


FIG. 4



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EUROPEAN SEARCH REPORT

Application Number
EP 24 20 9646

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	EP 0 910 983 B1 (FILMOP SRL [IT]) 3 December 2003 (2003-12-03)	1-7,10	INV. A47L13/58
A	* figures *	8,9	
X	EP 1 516 575 A2 (NUMATIC INT LTD [GB]) 23 March 2005 (2005-03-23)	1,3,5,6	
A	* figures 1-3 *	8-10	

TECHNICAL FIELDS SEARCHED (IPC)

A47L

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
Munich	7 March 2025	Eckenschwiller, A

CATEGORY OF CITED DOCUMENTS

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EPO FORM 1503 03.82 (P04C01)

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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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07-03-2025

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

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