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(54) **Dismountable swimming pool**

(57) Dismountable swimming pool (1) formed by a flexible, impermeable recipient (2) installed inside a rigid structure (3), comprising a cover (4), which is the same height as the rigid structure (3) of the swimming pool, along the entire perimeter thereof, formed by rigid sheets, installed vertically along the outer perimeter of the rigid structure (3) of the swimming pool, both the rigid structure and the cover being held by the lower and upper edges thereof, by means of guides on the perimeter (5), which facilitate the mounting of the cover (4) and act as retainers for the cover (4).

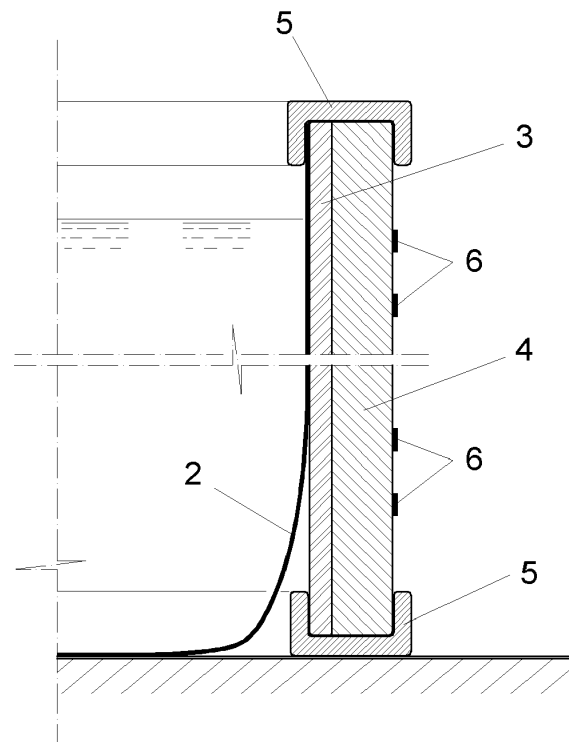


FIG. 2

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Description**DESCRIPTION****Object of the invention**

[0001] The present invention refers to a swimming pool of the variety used for swimming and of the dismountable variety, which do not require any kind of works in order to be installed. These swimming pools require an increasingly high-quality finish, which aesthetically, enables them to be installed anywhere, especially when they are of significant size and are usually installed for long periods of time.

Technical problem to be resolved and background of the invention

[0002] In the current state of the art, a wide range of dismountable swimming pool models are known about, these models being increasingly common in private homes. The market for these products is growing rapidly, the design of these products in terms of aesthetics and safety being fundamental when it comes to standing out from the competition. No foundations are laid for these swimming pools, which are quite simply set up on the ground, in gardens or green areas, where it is important for them to be aesthetically pleasing and for them to become integrated into the environment in which they will be installed. In terms of safety, it is important that the design is rigid and solid, reinforcing the outside against potential structural collapse, be it as a result of improper use or faulty installation.

[0003] There are an infinite number of methods available on the market related to swimming pool covers, especially those made of wood. These kind of covers are enormously complex, which means that they are not easy to dismount and not only require a large number of tools for installation but also qualified man power or, at least, external assistance, given that it is difficult for one person to handle a large number of accessories. Likewise, for this very same reason, they are usually costly, thus making them relatively inaccessible to the general public.

[0004] An example of this kind of cover can be found in document ES 10577367 U.

[0005] The invention presented herein resolves this problem and presents a dismountable swimming pool formed by an impermeable canvas and rigid structure with a wooden cover, which is very easy to handle and quick to install, neither requiring a large number of elements to be mounted nor vast structural assembly knowledge, thereby making it accessible to the general public as a whole, at a very low cost.

Description of the invention

[0006] The present invention represents a dismountable swimming pool formed by a flexible, impermeable

recipient installed inside a rigid structure, covered by a cover, which is the same height as the rigid structure. This cover is formed by rigid sheets that are installed vertically along the outer perimeter of the rigid structure.

5 Both the rigid structure and the cover are held by the upper and lower edges thereof by means of guides on the perimeter, which facilitate the mounting of the cover and act as retainers for the cover.

[0007] The lower edge of the swimming pool, formed by the rigid structure and the outer cover, is covered by a perimeter guide, which serves as a support base and acts as a retainer for the cover, thereby facilitating mounting.

[0008] The upper edge of the swimming pool, formed by the flexible inner vessel, the rigid structure and the outer cover, is equally covered by another perimeter guide, which facilitates the mounting of the cover and acts as a retainer for the assembly.

[0009] In this embodiment, the guides on the perimeter have a U-shaped cross-section and the cover is formed by wooden panels.

Brief description of the drawings

[0010] In order to provide a better understanding of the invention described herein and the characteristics thereof, below are a set of drawings which provide a non-limiting example of a preferred embodiment, represented in the figures that follow:

- Figure 1 is a perspective view of the swimming pool when it is mounted with all the elements thereof.
- Figure 2 is a cross-section of the swimming pool, wherein it is possible to observe all the elements from which the same is formed.

[0011] Below is a list of the references employed in the figures:

1. Dismountable swimming pool.
2. Flexible inner vessel.
3. Rigid structure.
4. Outer cover.
5. Guide on the perimeter.
6. Tightening belt.
- 7.

Description of a preferred embodiment of the invention

[0012] The present invention refers to a dismountable swimming pool (1) formed by a flexible, impermeable inner vessel (2) mounted in a rigid outer structure (3) which supports the swimming pool (1). The swimming pool (1) has an outer cover (4), formed by a plurality of rigid elongated panels, which are fitted vertically, overlapping the outside of the rigid structure (3) of the swimming pool (1) and along the entire perimeter thereof, which, although

they may be made of any material, are typically made of wood. The swimming pool (1), along with the outer cover (4) finishes at the lower and upper ends thereof by means of guides on the perimeter (5). In this embodiment, the guides on the perimeter (5) are U-shaped, although they are not limited to this form.

[0013] The swimming pool (1) equally comprises a number of pairs of belts (6) located in the upper and lower areas of the outer cover (4), which makes the swimming pool look aesthetically more attractive and resembles a wine barrel, which can be easily integrated into the environment where it is installed. Furthermore, along with the upper and lower guides on the perimeter, they strengthen the portable swimming pool structure (1), thereby conveying a solid image to the user.

[0014] In Figure 1, it is possible to observe the swimming pool (1) with the outer cover (4), formed by a plurality of rigid vertical panels fitted along the entire perimeter of the swimming pool (1). The parallel tightening belts (6) located in pairs in both the upper and lower area of the panels, joined to the panels by means of dismountable fixings, hold the outer cover (4) along the entire perimeter of the swimming pool (1), thereby making the assembly rigid and giving it a distinguished aesthetic appearance. These tightening belts (6) are fitted in such a way that they resemble the metal belts on a winery barrel. The upper edge of the swimming pool (1) finishes in a perimeter guide (5), which makes it appear safe, as well as giving it an aesthetically pleasing finish. Likewise, the lower edge ends in a perimeter guide (5), identical to the upper perimeter guide (5), which forms a support base for the swimming pool (1) and makes the same more solid in its placement upon increasing the surface area of the base. It also serves to reinforce the assembly and facilitate the mounting of the swimming pool.

[0015] Figure 2 represents a section of the swimming pool (1) outline, wherein it is possible to observe all the elements that form the swimming pool (1). It is possible to see the flexible inner vessel (2), covered by the rigid structure (3), this rigid structure (3) being surrounded by the outer cover (4). The upper perimeter guide (5) holds the flexible inner vessel (2) to the rigid structure (3) and to the outer cover (4). The perimeter guide (5) holds the rigid structure (3) and the outer cover (4), not including the flexible vessel (2). It is also possible to observe the tightening belts (6), which are joined to the outer cover (4) panels.

[0016] In order to install the swimming pool (1), the flexible inner vessel (2) is mounted with its rigid structure (3). It is important to bear in mind that the swimming pool is mounted over the lower perimeter guide (5), which forms a base for the outline of the swimming pool (1), as well as in the inner portion thereof, bearing in mind that the cover (4) was previously mounted over the outside of this rigid structure (3). Once the flexible inner vessel (2) and the rigid structure (3) thereof have been installed, the outer cover (4) is installed, thus forming a plurality of rigid panels which are coupled vertically and parallel to

the rigid structure (3) of the swimming pool (1), externally to the same, these panels being fitted inside the lower perimeter guide (5). Subsequently and insofar as the panels have been installed, the tightening belts (6) are attached to each panel and the cover (4) mounting is secured by means of the progressive, simultaneous installation of the perimeter guide (5).

[0017] In order to mount the tightening belts (6), a number of dismountable fastening means have been provided for, with which the belts (6) are assembled on the panels. Once all of the outer panels have been installed, the belts (6) are closed. Closing these belts means that they are tightened, the belts (6) thereby being tightened using one of the means known about in the state of the art. It is possible to check that installing the swimming pool (1) with the cover (4) is not much more difficult than installing any kind of dismountable swimming pool, this simple contrast alongside the aesthetic effect resulting in the perception of solidity for the user.

[0018] The present invention should not be limited to the embodiment described herein. Other formations may also be created by experts in the field in view of the present description. The scope of the invention is thereby defined by the following claims.

Claims

1. Dismountable swimming pool (1) formed by a flexible, impermeable recipient (2), installed inside a rigid structure (3), **characterised in that** it comprises a cover (4) at the same height as the rigid structure (3) of the swimming pool (1), along the entire perimeter thereof, formed by rigid sheets, installed vertically along the outer perimeter of the rigid structure (3) of the swimming pool (1), both the rigid structure and the cover being held by the upper and lower edges thereof by perimeter guides (5), which facilitate the mounting of the cover (4) and act as retainers for the cover (4).
2. Dismountable swimming pool (1) according to claim 1, **characterised in that** the cover is formed by sheets of wood.
3. Dismountable swimming pool (1) according to any of the previous claims, **characterised in that** the lower edge of the swimming pool (1) formed by the rigid structure (3) and the outer cover (4) is covered by a perimeter guide (5), which serves as a support base and acts as a retainer for the cover (4), thereby facilitating mounting.
4. Dismountable swimming pool (1) according to any of the previous claims, **characterised in that** the entire upper edge of the swimming pool (1) formed by the flexible inner vessel (2), the rigid structure (3) and the outer coating (4), is covered by a perimeter

guide (5), which facilitates the mounting of the cover (4) and acts as a retainer for the assembly.

5. Dismountable swimming pool (1) according to claims 3 and 4, **characterised in that** the perimeter guides (5) have a U-shaped cross-section.

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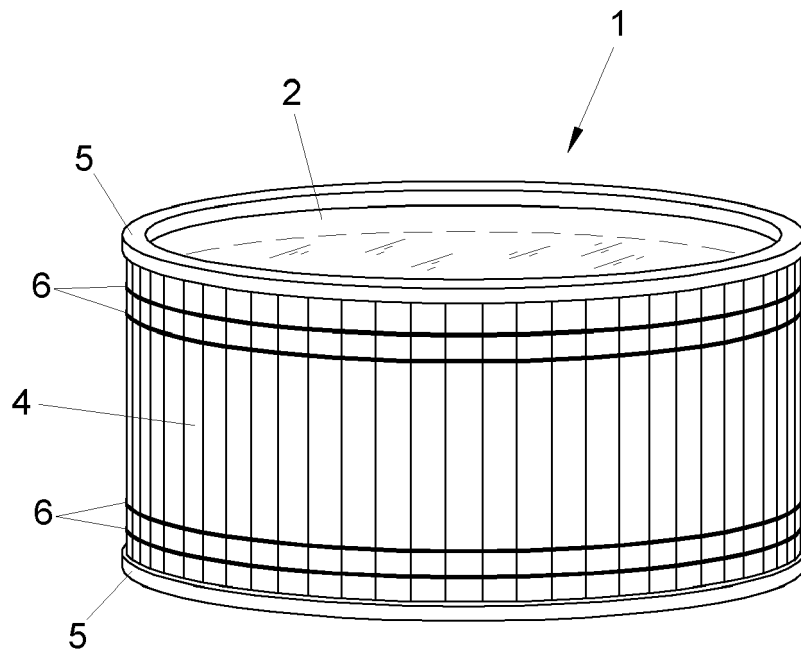


FIG. 1

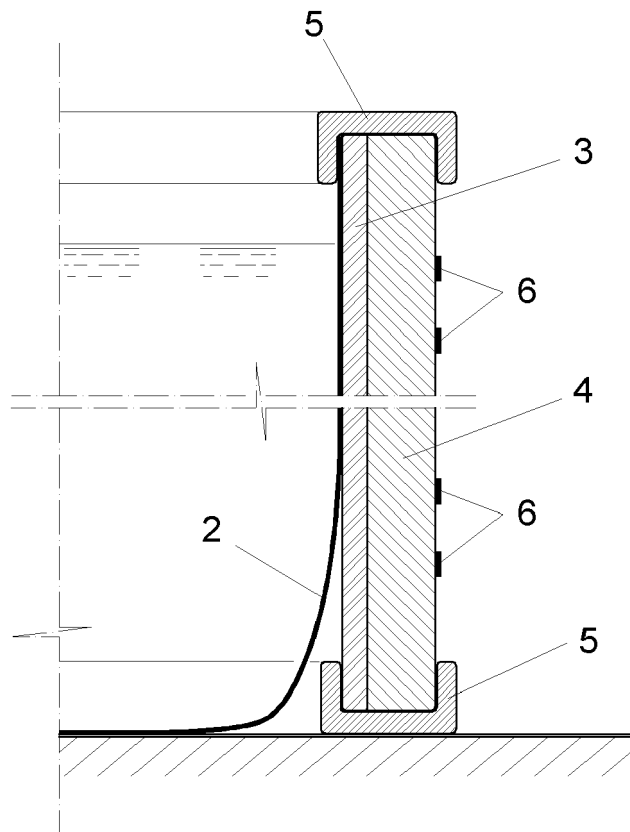


FIG. 2



EUROPEAN SEARCH REPORT

Application Number
EP 13 19 0253

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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X	----- FR 2 855 243 A1 (DESJOYAUX PIERRE L [FR]; HOAN TUAN DUNG [VN]; SACCUCCI JEAN PAUL [FR]) 26 November 2004 (2004-11-26) * page 8, lines 4-9; figures 1-3,6 *	1-5	
A	----- FR 2 777 309 A1 (PISCINES DESJOYAUX SA [FR]) 15 October 1999 (1999-10-15) * figures 1-5 *	1-5	TECHNICAL FIELDS SEARCHED (IPC) E04H
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 23 January 2014	Examiner Decker, Robert
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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EPO FORM 1503 03.82 (P04001)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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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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23-01-2014

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

REFERENCES CITED IN THE DESCRIPTION

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