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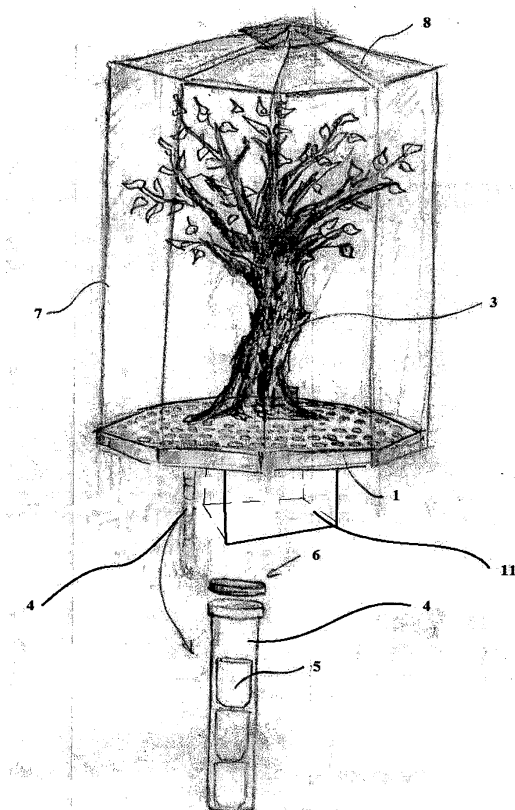
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(54) **A COMMEMORATION PLACE INCLUDING AN UNDERGROUND COLUMBARIUM**

(57) A commemoration place including an underground columbarium, consisting of a base (1) on which the memory tree (3) is located. In the base there are inlets to the vertical underground tubes intended for storing urns in several rows one above the other. The inlets are provided with lids, preferably provided with removable labels for identifying urns. In case of using the memory

tree in the exterior, the tree can be covered by e.g. glass walls with a roof (greenhouse construction), preferably including a base with entrances to the vertical tubes. Another option of depositing the ash of the deceased is to create a common ash pit under the concrete base. The option of tubing or common pit can be applied alone or in combination.



**Fig. 1**

**Fig. 2**

## Description

### Technical field

**[0001]** The technical solution concerns the structural arrangement of the commemoration place, including the underground columbarium.

### Background art

**[0002]** Columbarium is usually the cemetery building of various shapes, which contains niches or otherwise designed places for a large number of remains of the deceased. At present, columbariums are most often found in city cemeteries near crematoria.

**[0003]** From the information available at <http://kolumbaria.eu/usluga-kompleksowa>, it is known the solution to design the columbarium as a free-standing concrete column built on a square pedestal, consisting of several rows of urn niches. The niche is closed by a square plate with a removably attached informative sign. There are flower vases on the sides of the columbarium.

**[0004]** From the patent literature, freestanding columbariums of columnar shape are known, for example, from ZA 201006857 (B), which describes the columbarium as a prism with a square plan and corner posts perpendicular to the base.

**[0005]** A further description of the columbarium structure is given in US 2017298648 (A1), an obelisk-shaped columbarium, which consists of a central frame assembly equipped circumferentially on each floor with five front plates, which are entrances to urn niches.

**[0006]** The free-standing columbarium is also described in utility model no. 32251 (U1), which is in the form of a rectangular column, preferably in a cross, comprising niches for urns arranged in multi-storey rows.

**[0007]** The disadvantage of the solutions described above is the fact that the columbariums are usually not connected with a commemoration place for the dignified honor of the deceased.

**[0008]** Sacred places are known as scattering meadows, and currently expanding solution are the memory trees, when instead of leaves these trees are gradually hung with "leaves" with names of deceased, and, not least, of trees with crystal leaves, which may include a portion of the ashes of deceased. This method of storing the ashes of the deceased, coupled with the possibility of a dignified commemoration, is described in patent no. 303907. These memory trees are primarily located on scattering meadows where the rest of the ashes of the deceased are dispersed there.

**[0009]** However, in some countries it is not permitted to disperse the ashes of the deceased, and there arises the problem of saving the rest of the ash near the memory trees, on which there is placed a leaf with the name and / or ash of the deceased in order to have all this on one place.

### Disclosure of the invention

**[0010]** The aforementioned disadvantages are largely eliminated by the columbarium arrangement for storing the urns or ashes of the deceased together with the memorial place of the present invention, which consists of a solid, preferably concrete base, preferably with a central island, located in the interior or exterior on which the memory tree is located. In the base there are inlets to the vertical underground tubes intended for storing urns in several rows one above the other. The inlets are provided with lids, preferably provided with removable labels for identifying urns. In case of using the memory tree in the exterior, the tree can be covered by e.g. glass walls with a roof (greenhouse construction), preferably including a base with entrances to the vertical tubes. Another option of depositing the ash of the deceased is to create a common ash pit under the concrete base. The option of tubing or common pit can be applied alone or in combination.

**[0011]** Memory tree is then gradually hung with leaves of glass, preferably of crystal, with sealed part of the ashes of the deceased and / or only with engraved name (text), when using e.g. the remote control it is possible to light that leaf. Preferably there can be used a mobile application with the unique code for the lighting the leaf. The leaf has a built-in light source and is powered either centrally or via an independent light source.

**[0012]** This resolves a situation where it is appropriate to have the remains to be in one place, which is both a storage place and a commemoration place with the possibility of identifying - lighting - individual leaves.

### Brief description of drawings

**[0013]** The technical solution will be explained using drawings, where Fig. 1 shows an overall view of a commemoration place with underground tube, Fig. 2 shows the detail of the tube with lid and urn and Fig. 3 shows a partial section of the base with an island, tubes and a common pit.

### Modes for carrying out the invention

Example 1:

**[0014]** Hexagon base 1 having a central island 2, on which there is placed a memory tree 3, comprises peripherally a number of tubes 4 positioned underground, for storage of urns 5 where the tubes 4 are provided with lids 6, when the memory tree contains a number of leaves 9 incorporating a light source 10 and a central source of electric power.

Example 2:

**[0015]** The octagonal base 1 on which there is placed a memory tree 3, comprises a peripherally two rows of

tubes 4 positioned underground for storage of urns 5 and a common pit 11 below the base 1 when the tubes 4 are provided with lids 6 and on the circumference of the base 1 there are formed transparent walls 7 and the roof 8 which protect the base and the memory tree from bad weather. The memory tree comprises several leaves 9 with the ashes and the name of the deceased and with a built-in light source 10 and a power source.

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## Claims

1. A commemoration place including an underground columbarium, **characterized in that it** consists of a base (1) on which there is placed a memory tree (3) while under the base (1) there is arranged at least one tube (4) for storing urns (5) and / or a common pit (11) . 15
2. A commemoration place including an underground columbarium according to claim 1, **characterized in that** the base (1) consists of a central island (2) for seating the memory tree (3). 20
3. A commemoration place including an underground columbarium according to claim 1, **characterized in that** the tubes (4) are provided with lids (6). 25
4. A commemoration place including an underground columbarium according to claim 1, **characterized in that the** tubes (4) are placed underground. 30
5. A commemoration place including an underground columbarium according to claim 1, **characterized in that the** common pit (11) is placed underground. 35
6. A commemoration place including an underground columbarium according to claim 1, **characterized in that a** transparent walls (7) with a roof (8) are arranged on the circumference of the base (1). 40
7. A commemoration place including an underground columbarium according to claim 1, **characterized in that** the memory tree contains at least one leaf (9) with a built-in light source (10) and an electric power source. 45
8. A commemoration place including an underground columbarium according to claim 7, **characterized in that** the leaf (9) contains a part of the ash and bears the name of the deceased. 50

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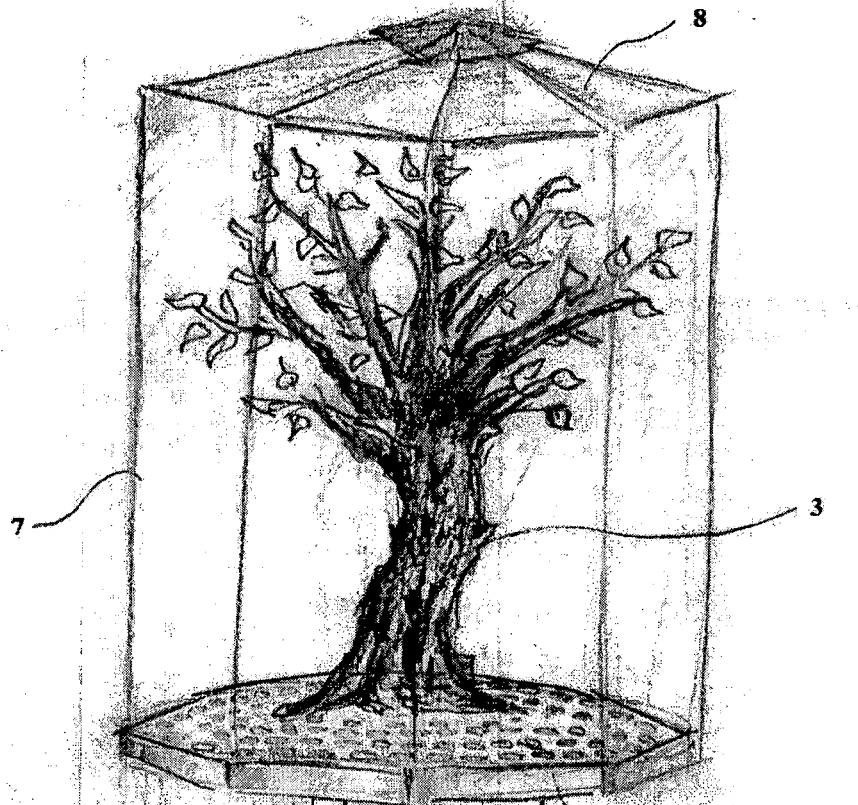


Fig. 1

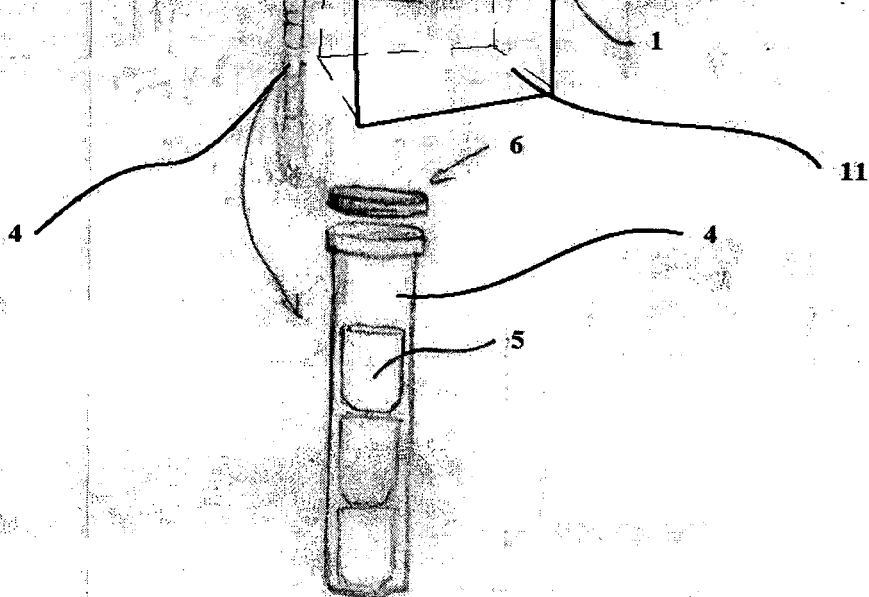
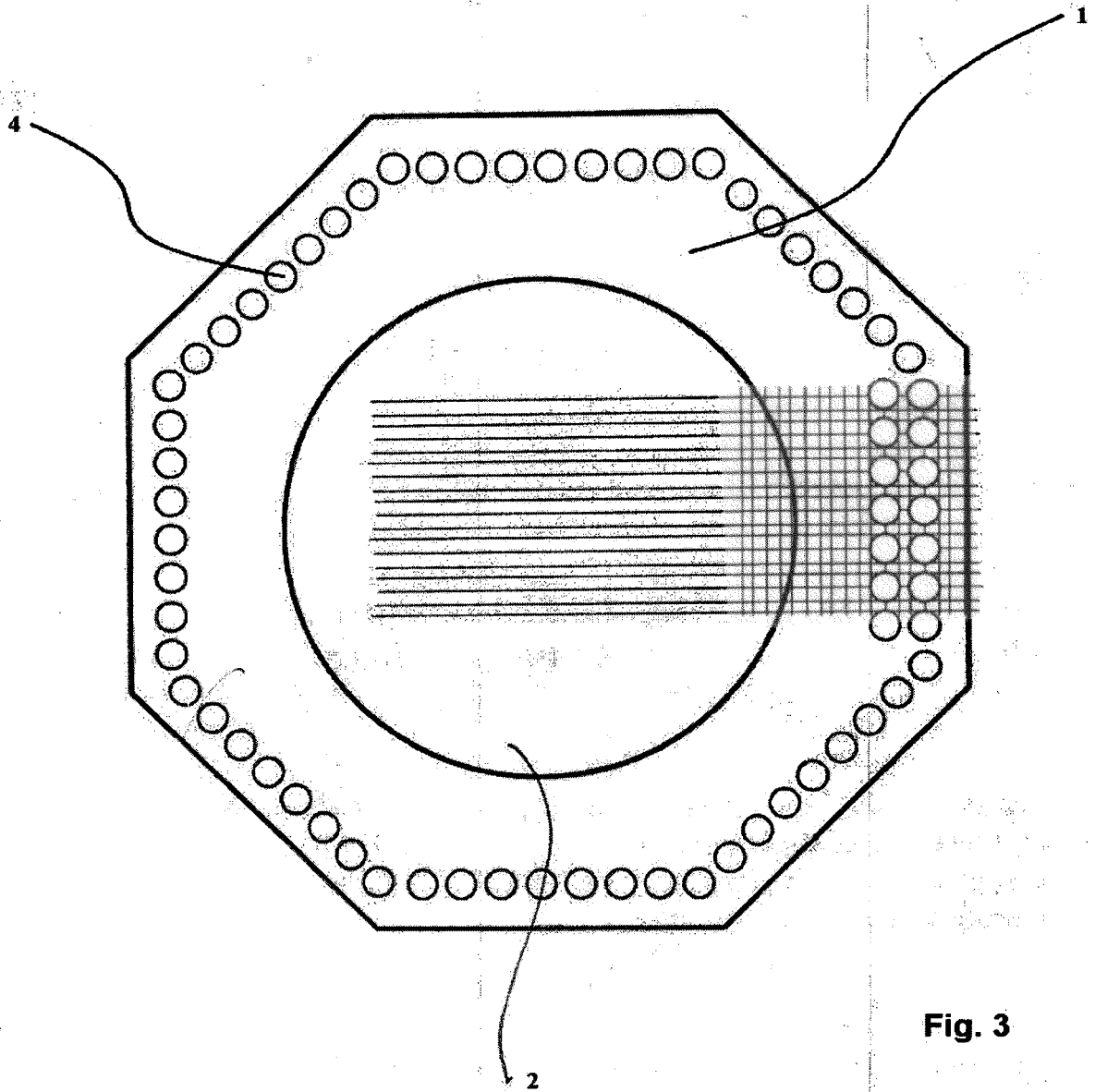


Fig. 2



**Fig. 3**



## EUROPEAN SEARCH REPORT

 Application Number  
EP 20 00 0110

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EPO FORM 1503 03.82 (P04C01)

DOCUMENTS CONSIDERED TO BE RELEVANT			
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A	* figure 1 *	3,4,6-8	
X	US 4 977 652 A (GRAHAM GRAY [US]) 18 December 1990 (1990-12-18)	1-4	
A	* figures 1-3 *	5-8	
X	CN 107 327 205 A (HUANG JIANXIANG) 7 November 2017 (2017-11-07)	1-5	
A	* figure 6 *	6-8	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			E04H A61G
Place of search		Date of completion of the search	Examiner
Munich		19 August 2020	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			

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

EP 20 00 0110

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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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19-08-2020

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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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**Patent documents cited in the description**

- ZA 201006857 B [0004]
- US 2017298648 A [0005]
- WO 303907 A [0008]