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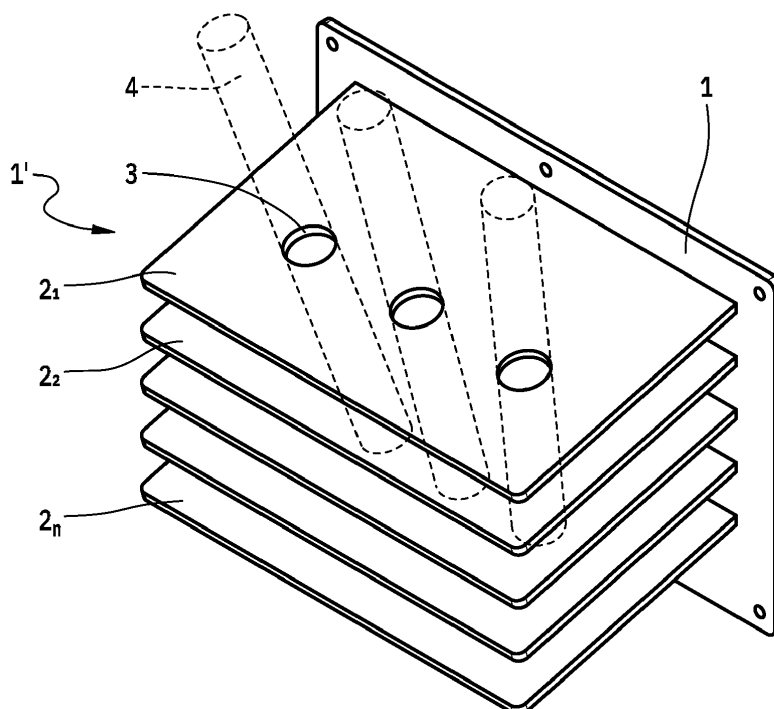
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(54) **FLAGPOLE BRACKET**

(57) The present invention refers to a flagpole bracket comprising a fastening element, designed to fix the flagpole bracket to a wall, and a support element, designed to hold a flagpole. Attached to the fastening element (1) is a support element (1') comprising a set of vertically spaced drainage lamellae ( $2_1, \dots, 2_n$ ), whereby the design of the lowest drainage lamella ( $2_n$ ) is thicker than that of other drainage lamellae ( $2_1, \dots, 2_{n-1}$ ). Further-

more, all drainage lamellae ( $2_1, \dots, 2_{n-1}$ ) with the exception of the lowest drainage lamella ( $2_n$ ) are designed with at least one pierced hole (3) for holding the flagpole (4), whereby the drainage lamellae ( $2_1, \dots, 2_n$ ) are, in relation to the fastening element (1), arranged obliquely in the direction from the fastening element (1) towards the ground.



**Fig. 1**

## Description

**[0001]** The present invention refers to a flagpole bracket comprising a fastening element, designed to fix the flagpole bracket to a wall, and a support element, designed to hold a flagpole.

**[0002]** The flagpole bracket referred to above is common and typically comprises a wall-mounted tubular holder. The drawback of all known solutions is that during rainfall, the water that soaks the flag and trickles from the flag and/or down the flagpole and/or the flagpole bracket drains down the tubular holder and onto the wall on which the holder is mounted. The water that drains this way then damages the wall, for instance the façade of the building on which the tubular holder is mounted.

**[0003]** The object of the invention is to provide a new flagpole bracket that eliminates the drawbacks of the known solutions.

**[0004]** The object according to the present invention is accomplished by the characteristics set forth in the characterizing portion of claim 1. The details of the invention are disclosed in the corresponding sub-claims.

**[0005]** Below, the invention is presented in more detail on the basis of a non-limiting embodiment and with reference to the accompanying drawings, where

- Fig. 1 shows a flagpole bracket in a three-dimensional view,
- Fig. 2 shows a flagpole bracket shown in Fig. 1. as seen from the front,
- Fig. 3 shows a embodiment of the flagpole bracket in a three-dimensional view,
- Fig. 4 shows a flagpole bracket shown in Fig. 3 as seen from the front,
- Fig. 5 another embodiment of the flagpole bracket as seen from the side,
- Fig. 6 another embodiment of the flagpole bracket as seen from the side,
- Fig. 7 another embodiment of the flagpole bracket as seen from the side,
- Fig. 8 another embodiment of the flagpole bracket as seen from the side.

**[0006]** The flagpole bracket as per the invention comprises a flat fastening element 1, which can be designed as a flat or optionally curved plate to be mounted on a flat or curved wall, to a quoin, and similar. The fastening element 1 further can have a planar design of any shape, for instance a square, circle, ellipse, shield, or similar. Furthermore, attached to the fastening element 1 is a support element 1' comprising a set of drainage slats  $2_1, \dots, 2_n$  that, in relation to the position of the flag or flagpole, are vertically spaced, whereby drainage lamella  $2_1$  is the uppermost drainage lamella and drainage lamella  $2_n$  the lowermost drainage lamella. All drainage lamellae  $2_1, \dots, 2_{n-1}$  with the exception of the lowermost drainage lamella  $2_n$  are designed with at least one pierced hole 3 for holding the flagpole 4. According to the present in-

vention, it is foreseen that the said set of vertically spaced drainage lamellae  $2_1, \dots, 2_n$  comprises at least two drainage lamellae.

**[0007]** The drainage lamellae  $2_1, \dots, 2_n$ , which are, in relation to the fastening element 1, arranged obliquely in the direction from the fastening element 1 towards the ground, can be designed with an identical thickness or each individual drainage lamella  $2_1, \dots, 2_n$  can be of a different thickness. Particularly the design of the lowest drainage lamellae  $2_n$  is thicker than that of other drainage lamellae  $2_1, \dots, 2_{n-1}$ .

**[0008]** According to the present invention, it is foreseen that the uppermost drainage lamella  $2_1$  is configured to hold lighting devices, such as LED lamps, for instance to illuminate the flag or flags, and the lowermost drainage lamella  $2_n$ , which has the thickest design, is configured to hold lighting devices 5, such as LED lamps, to illuminate the façade and/or the ground below the flagpole bracket. Furthermore, it is foreseen that at least one of the drainage lamellae  $2_1, \dots, 2_n$  is configured to receive a photosensitive device that generates electricity, which can supply additional energy to the said lightning devices, such as the LED lamp 5.

**[0009]** Furthermore, according to the present invention, it is foreseen that at least one of the drainage lamellae  $2_1, \dots, 2_{n-1}$  is, on its reverse side, which faces the fastening element 1, configured to hold lighting devices, such as LED lamps. In this case, at least one of the drainage lamellae  $2_1, \dots, 2_{n-1}$  is made from a translucent material. This way, it is possible to use multi-coloured LED lamps to achieve a lighting effect on the front side 6 of each drainage lamella  $2_1, \dots, 2_{n-1}$ , which can, for example, match the colours of the flag. It is also possible to have a set-up whereby the lighting devices are arranged in the space between each pair of neighbouring drainage lamellae  $2_1, \dots, 2_n$ .

**[0010]** Furthermore, the embodiment of the flagpole bracket according to the invention foresees that arranged between the uppermost drainage lamella  $2_1$  and the lowermost drainage lamella  $2_n$  is a tubular extension 7 for holding the flagpole 4. According to one of the possible versions, the tubular extension 7 is, at least on the side that at least partly faces away from the fastening element 1, designed with a set of pierced holes 8, which are designed to drain rainwater.

**[0011]** According to the next version, it is foreseen that the tubular extension 7 is designed as a set of, in relation to the normal surface of each drainage slat  $2_1, \dots, 2_n$ , circularly and mutually spaced rods 10 forming an assembly similar to the tubular extension 7 for holding the flagpole 4.

**[0012]** According to the following version, which is depicted in Fig. 7, it is foreseen that arranged between the uppermost drainage lamella  $2_1$  and the lowermost drainage lamella  $2_n$  is a tubular extension 7 designed as the first tubular section 11, which is connected to the uppermost drainage lamella  $2_1$ , and the second tubular section 12, which is connected to the lowermost drainage lamella

2<sub>1</sub>. The tubular extensions 11, 12 are, in their longitudinal direction, connected to the third tubular section 13, which is designed to be water-permeable, for instance from wire mesh, perforated tin, or similar.

[0013] According to the following version, which is depicted in Fig. 8, it is foreseen that arranged between the uppermost drainage lamella 2<sub>1</sub> and the lowermost drainage lamella 2<sub>n</sub> is a tubular extension 7 that can be designed approximately as an axial cross-section of a cone-shaped shell 14. The shell 14 of the axial cross-section cone is designed to be water-permeable, for instance from wire mesh, perforated tin, or similar.

[0014] Moreover, the tubular extension 7 can, in its longitudinal direction, reach beyond the top surface of the uppermost drainage lamella 2<sub>1</sub>, whereby, in this case, the free end of the tubular extension 7 can optionally be finished with a flange 9.

[0015] When the flagpole bracket according to the invention is arranged above a doorway or a similar section, which must be protected from water, an embodiment is foreseen where the lowermost drainage lamella 2<sub>n</sub> is designed with a gutter to divert water into the rainwater downspout of the building on which the flagpole bracket is mounted.

[0016] Furthermore, the present invention foresees that the lowermost drainage lamella 2<sub>n</sub> can optionally be designed in such a way that it at least partly closes the end of the tubular extension 7 that works in tandem with it. In order to enable the drainage of rainwater from the tubular extension 7, the lowermost drainage lamella 2<sub>n</sub> is, in this case, optionally designed with a pierced hole.

[0017] The flagpole bracket according to the invention can be made from different materials, for instance metal, natural, or artificial material, and it can be entirely opaque, or either partly or entirely translucent.

[0018] Furthermore, the present invention foresees that on any part of the flagpole bracket, an identity tag is designed and installed, such as a street number, emblem, coat of arms, or similar.

## Claims

1. A flagpole bracket comprising a fastening element, which is designed to fix the flagpole bracket on a wall, and a support element, which is intended to hold the flagpole, **characterized in that** attached to a fastening element (1) is a support element (1') comprising a set of vertically spaced drainage lamellae (2<sub>1</sub>,... 2<sub>n</sub>), whereby the drainage lamellae (2<sub>1</sub>,... 2<sub>n-1</sub>) with the exception of the lowest drainage lamella (2<sub>n</sub>) are formed with at least one pierced hole (3) for holding the flagpole (4), whereby the drainage lamellae (2<sub>1</sub>,... 2<sub>n</sub>) are, in relation to the fixing element (1), arranged obliquely in the direction from the fastening element (1) towards the ground.

2. The flagpole bracket according to claim 1, **charac-**

**terized in that** the set of vertically spaced drainage lamellae (2<sub>1</sub>,... 2<sub>n</sub>) comprises at least two drainage lamellae.

3. The flagpole bracket according to claim 1 or 2, **characterized in that** the drainage lamellae (2<sub>1</sub>,... 2<sub>n</sub>) can be designed with an identical thickness.

4. The flagpole bracket according to claim 1 or 2, **characterized in that** each individual drainage lamella (2<sub>1</sub>,... 2<sub>n</sub>) can be of a different thickness.

5. The flagpole bracket according to claim 1 or 2, **characterized in that** an inclination angle of the drainage lamellae (2<sub>1</sub>,... 2<sub>n</sub>) is equal to or different from that of the fastening element (1).

6. The flagpole bracket according to claim 1 or 2, **characterized in that** arranged between the uppermost drainage lamella (2<sub>1</sub>) and the lowermost drainage lamella (2<sub>n</sub>) is a tubular extension (7) for holding the flagpole (4).

7. The flagpole bracket according to claim 6, **characterized in that** the tubular extension (7) is, at least on the side that at least partly faces away from the fastening element (1), designed to drain rainwater.

8. The flagpole bracket according to claims 6 or 7, **characterized in that** between the uppermost drainage lamella (2<sub>1</sub>) and the lowermost drainage lamella (2<sub>n</sub>) is a tubular extension (7) designed to feature the first tubular section (11), which is connected to the uppermost drainage lamella (2<sub>1</sub>), and the second tubular section (12), which is connected to the lowermost drainage lamella (2<sub>1</sub>), whereby the tubular sections (11, 12) are, in their longitudinal direction, connected to the third tubular section (13), which is designed to be water-permeable.

9. The flagpole bracket according to claim 6 or 7, **characterized in that** between the uppermost drainage lamella (2<sub>1</sub>) and the lowermost drainage lamella (2<sub>n</sub>) is a tubular extension (7) that can be designed approximately as an axial cross-section of a cone-shaped shell (14), which is designed to be water-permeable.

10. The flagpole bracket according to any of the preceding claims, **characterized in that** the lowermost drainage lamella (2<sub>n</sub>) can optionally be designed in such a way that it at least partly closes the end of the said tubular extension (7) that works in tandem with it, whereby the lowermost drainage lamella (2<sub>n</sub>) is optionally designed with a pierced hole so as to enable the drainage of rainwater from the tubular extension (7).

11. The flagpole bracket according to any of the preceding claims, **characterized in that** the lowermost drainage lamella ( $2_n$ ), which has the thickest design, is configured to hold lighting devices, such as an LED lamp. 5
12. The flagpole bracket according to any of the preceding claims, **characterized in that** at least one of the drainage lamellae ( $2_1, \dots 2_n$ ) is configured to hold a photosensitive device that generates electricity, which supplies energy to the lighting devices. 10
13. The flagpole bracket according to any of the preceding claims, **characterized in that** at least one of the drainage lamellae ( $2_1, \dots 2_{n-1}$ ) is configured to hold lighting devices, whereby the at least one of the drainage lamellae ( $2_1, \dots 2_{n-1}$ ) is made from a translucent material. 15
14. The flagpole bracket according to any of the preceding claims, **characterized in that** the lighting devices can be arranged in the space between each pair of neighbouring drainage slats ( $2_1, \dots 2_n$ ). 20
15. The flagpole bracket according to any of the preceding claims, **characterized in that** on any part of the flagpole bracket, an identity tag can be designed and installed, such as a street number, emblem, coat of arms, or similar. 25

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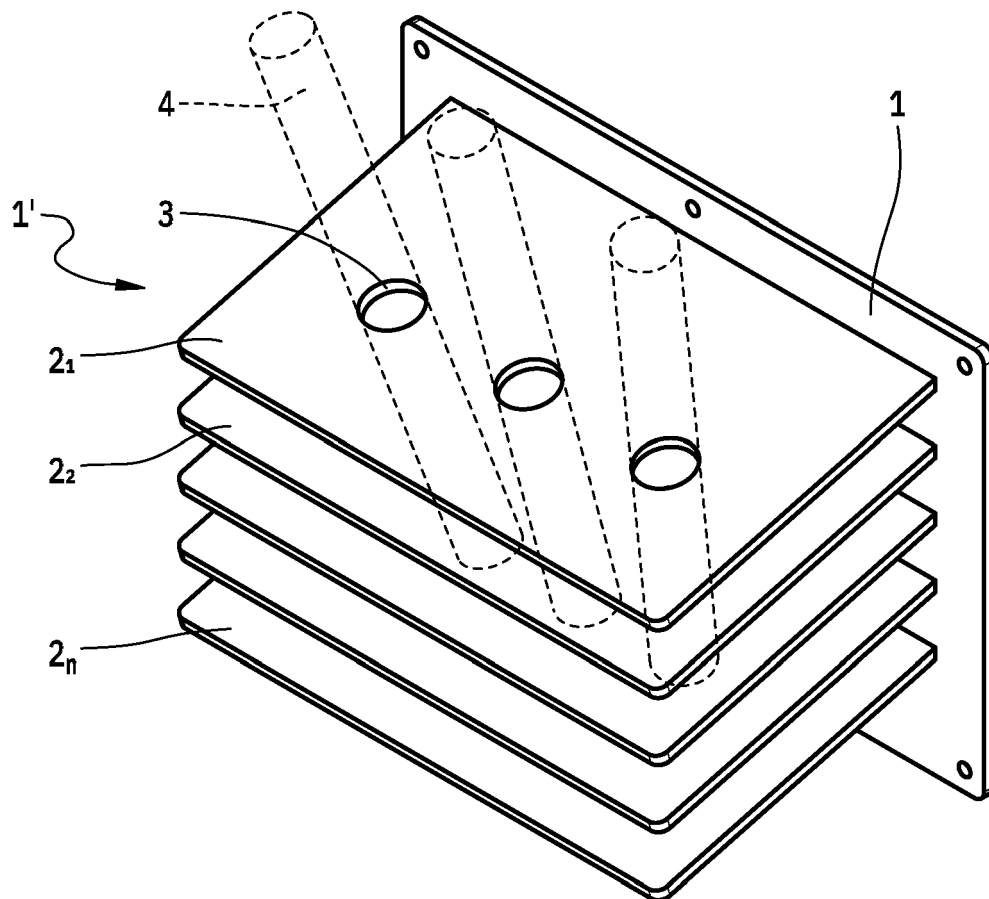
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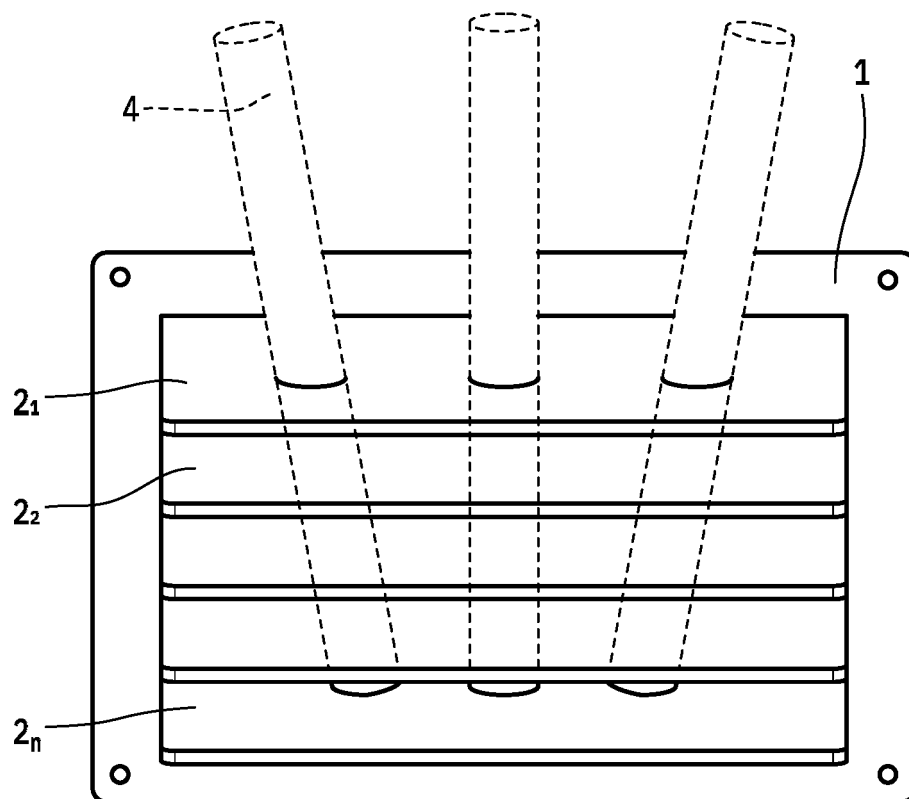
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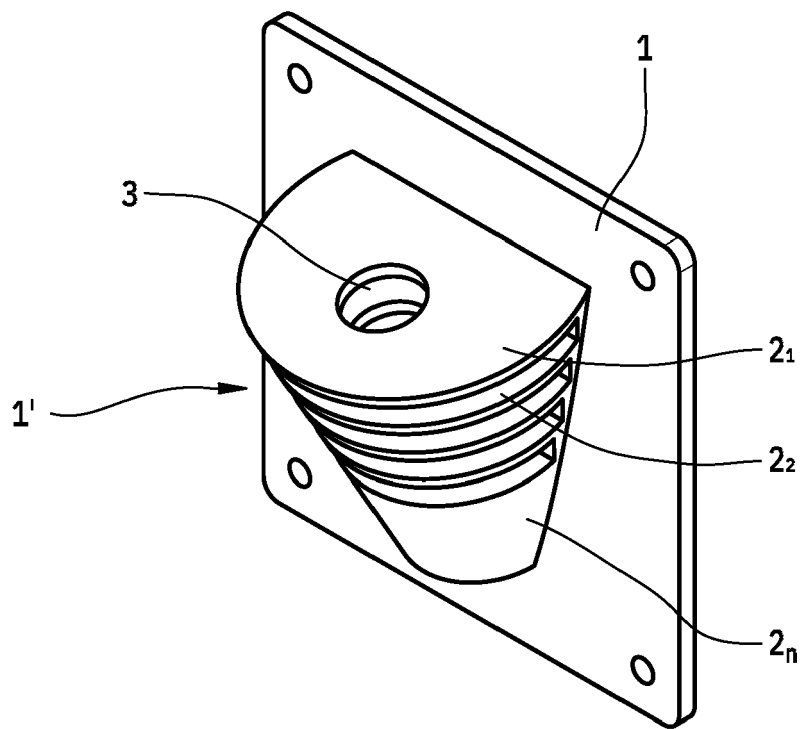
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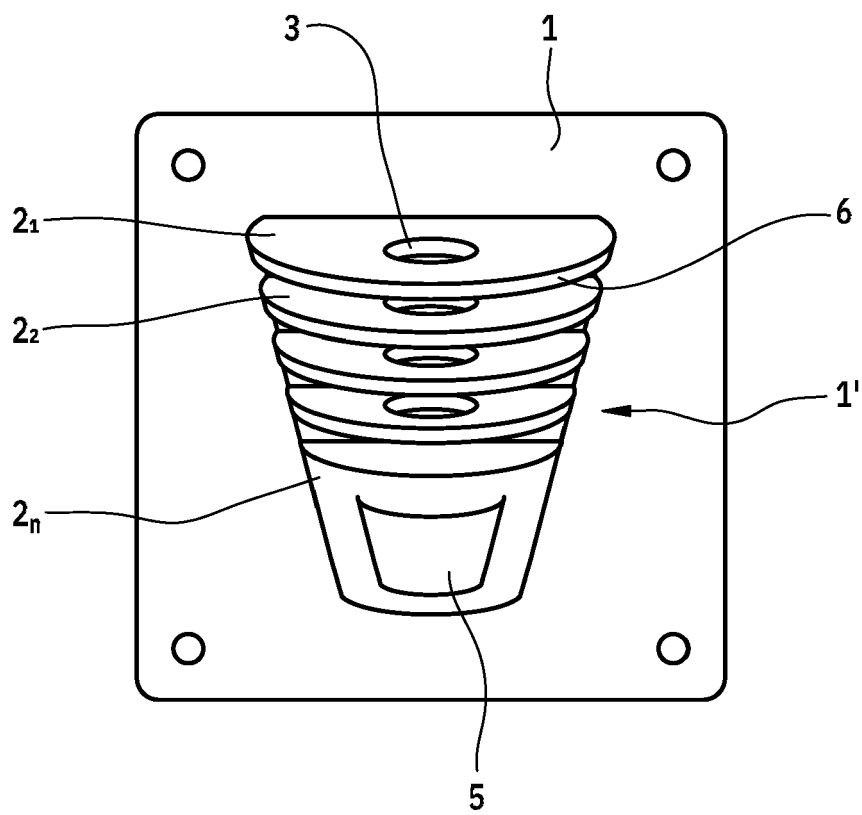
**FIG. 1**



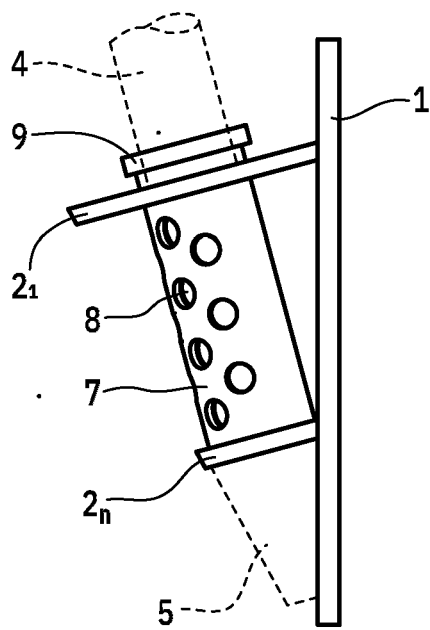
**FIG. 2**



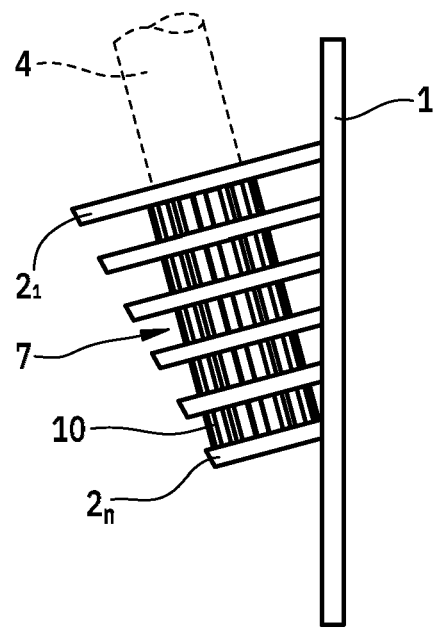
**FIG. 3**



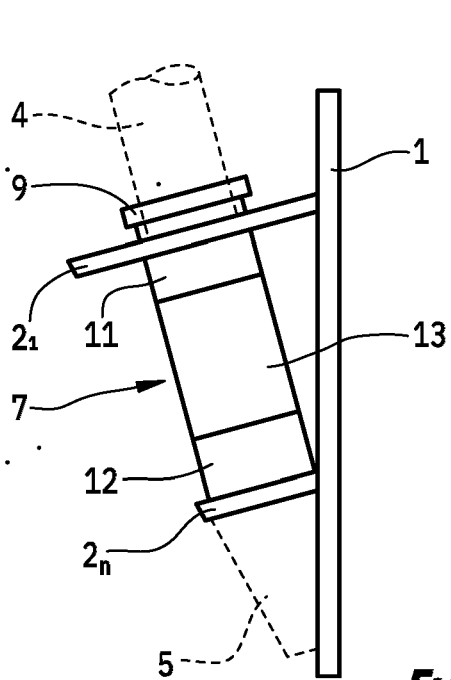
**FIG. 4**



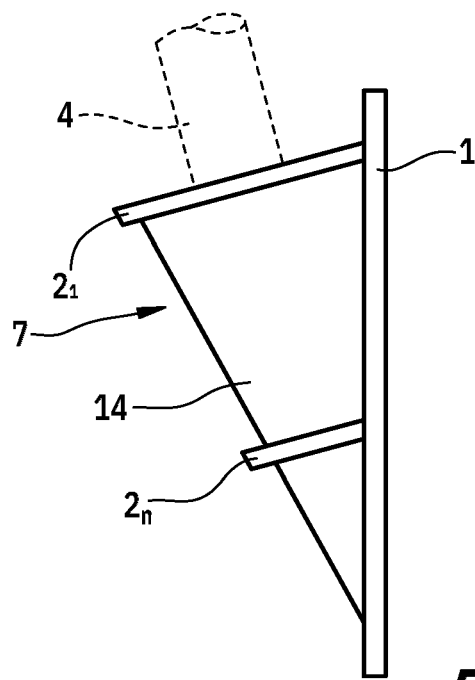
**FIG. 5**



**FIG. 6**



**FIG. 7**



**FIG. 8**



## EUROPEAN SEARCH REPORT

Application Number

EP 22 19 1555

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	KR 200 296 228 Y1 (JUNG, JIN-BYUNG [KR]) 23 November 2002 (2002-11-23)	1-5, 8, 11-15	INV. G09F17/00
Y	* abstract * * figures *	6, 7, 9, 10	G09F13/02 G09F27/00
Y	KR 100 764 670 B1 (JANG JIN HO [KR]; JANG HO [KR]) 8 October 2007 (2007-10-08)	6, 7, 10	
A	* abstract * * figure 1 *	1-5, 8, 9, 11-15	
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A	* abstract * * paragraph [0040] * * figures 2, 3 *	1-8, 10-15	
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A	WO 2018/148790 A1 (TORPY PETER BRIAN [AU]) 23 August 2018 (2018-08-23)	1-15	TECHNICAL FIELDS SEARCHED (IPC) G09F
	* paragraph [0062] * * figure 10 *		
The present search report has been drawn up for all claims			

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EPO FORM 1503 03:82 (P04C01)

Place of search <b>The Hague</b>	Date of completion of the search <b>6 February 2023</b>	Examiner <b>Lechanteux, Alice</b>
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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
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