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(54) A FRAMEWORK FOR WASHING AND/OR DRYING DEVICES

(57) With the present invention, there is developed a framework suitable for being used in the washing and/or drying devices. Said framework comprises at least one bottom support (1); at least one front support (2) suitable for being connected to the bottom support (1); at least one connecting pin (3) provided at the front support (2) or the bottom support (1); at least one pin housing (4) which is provided at the bottom support (1) or the front support (2) and suitable for receiving said connecting pin (3); at least one snap (5) provided at the front support (2) or the bottom support (1); at least one snap housing (6) which is provided at the bottom support (1) or the front support (2), and suitable for receiving said snap (5) when the bottom support (1) and the front support (2) are connected to each other.

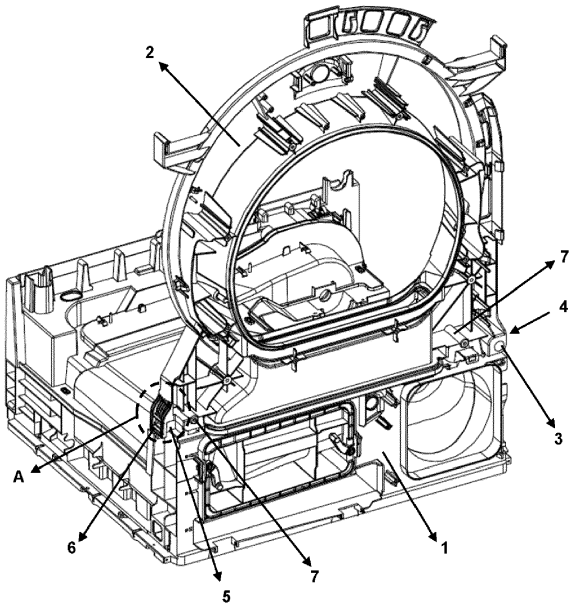

Figure – 1

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Description

Technical Field

[0001] The present invention relates to frameworks provided at the washing and/or drying devices.

Prior Art

[0002] The washing devices like washing machines, and the drying devices comprise at least one body and at least one drum in which textile products to be washed and/or dried are placed. In general, said drum is located on a framework inside the body. Said framework generally comprises a bottom support and a front support. Said front support comprises at least one opening which allows access into the drum, wherein the bottom support may comprise multiple compartments in which various components of the washing and/or drying device (such as a heat exchanger, a water tank, a detergent tank) are located.

[0003] For the sake of production ease, frameworks used for the washing and/or drying devices are produced such that at least two different pieces are produced independently from each other and then joined together. In here, said bottom support and the front support are produced separately, and then, these two pieces are fixed to each other. However, this fixing operation may be troublesome.

[0004] Patent document no. US2006230630A1 covered by the known art discloses a drying device. For said drying device, mounting of the front support to the bottom support is such that protrusions provided at the front support are placed to the housings which are provided at the bottom support. However, in this process, the bottom support and the front support are connected to each other at only one axis. In other words, connection of the bottom support and the front support is poor. For that reason, problems arise such as the framework obtained being not durable enough.

Brief Description of Invention

[0005] With the present invention, there is developed a framework suitable for use in washing and/or drying devices. Said framework comprises at least one bottom support; at least one front support suitable for being connected to the bottom support; at least one connecting pin provided at the front support or the bottom support; at least one pin housing which is provided at the bottom support or the front support and suitable for receiving said connecting pin; at least one snap provided at the front support or the bottom support; at least one snap housing which is provided at the bottom support or the front support, and suitable for receiving said snap when the bottom support and the front support are connected to each other.

[0006] The framework according to the present invention enables to perform connection process easily since the connecting pin, the pin housing, the snap and the snap housing are used to connect the front support and the bottom support each other. Moreover, because of the fact that the front support is prevented from moving at different axis with respect to the bottom support as a result of said connection, a durable and reliable framework is enabled, as well.

Object of Invention

[0007] An object of the present invention is to provide a framework suitable for being used in washing and/or drying devices.

[0008] Another object of the present invention is to provide a framework which is easy-to-mount.

[0009] Yet another object of the present invention is to provide a durable and reliable framework.

Description of Drawings

[0010] Exemplary embodiments of the framework according to the present invention are illustrated in figures, in which:

Figure 1; is a perspective view of the framework according to the present invention in a mounted state.

Figure 2; is a perspective view of the framework according to the present invention before mounting.

Figure 3; is a perspective view of the framework according to the present invention in a semi-mounted state.

Figure 4; is a front sectional view of the detail A of Figure 1.

[0011] All the parts illustrated in figures are individually assigned a reference numeral and the corresponding terms of these numbers are listed below:

Bottom support	(1)
Front support	(2)
Connecting pin	(3)
Pin housing	(4)
Snap	(5)
Snap housing	(6)
First connection housing	(7)
Second connection housing	(8)

Description of Invention

[0012] Devices which are used to wash and/or dry the textile products comprise at least one body and at least one drum which is located inside the body and suitable

for receiving said textile products. Said drum is supported inside the body by means of at least one framework. The framework supporting the drum generally consists of several pieces. Said framework is desired not only to be produced in a practical and simple way, but also to be durable. For that reason, the present invention provides a durable and reliable framework which is suitable for being used in the washing and/or drying devices and is produced in a simple and practical way.

[0013] The framework according to the present invention, exemplary views of which are illustrated in figures 1-4, comprises at least one bottom support (1); at least one front support (2) suitable for being connected to the bottom support (1); at least one (preferably only one) connecting pin (3) which is provided at the front support (2) or the bottom support (1) and is preferably in the form of a cylinder; at least one (preferably only one) pin housing (4) which is provided at the bottom support (2) or the front support (1) (e.g. the one without a connecting pin (3)), is suitable for receiving said connecting pin (3) such that the connecting pin is preferably able to perform rotary motion, and is preferably in the form of a hollow cylinder; at least one snap (5) provided at the front support (2) or the bottom support (1); at least one snap housing (6) which is provided at the bottom support (1) or the front support (2) (e.g. the one without a snap (5)), and suitable for receiving said snap (5) when the bottom support (1) and the front support (2) are connected to each other.

[0014] In an exemplary embodiment of the invention, said front support (2) is able to be connected to at least one side of the bottom support (1) at at least one side. In this embodiment, said connecting pin (3) is provided at the corner of a side of the front support (2) from where the front support is connected to the bottom support (1), wherein said connecting pin (3) is perpendicular to said side axis. Said pin housing (4), on the other hand, is provided at the corner of a side of the bottom support (1) from where the bottom support is connected to the front support (2). Yet in a different example, locations of the connecting pin (3) and the pin housing (4) may be vice versa (such that the connecting pin (3) is at the bottom support (1), and the pin housing (4) is at the front support (2)). In both examples, when the connecting pin (3) is received at the pin housing (4) as shown in figures 2 and 3, the front support (2) is able to perform rotary motion with respect to the bottom support (1). This rotation is performed such that the connection side of the front support (2) approaches to and moves away from the connection side of the bottom support (1). Said snap (5) is preferably provided at a corner of the connection side of the bottom support (1) which is away from the pin housing (4). The snap housing (6) corresponding to the snap (5) is provided at a corner of the connection side of the front support (2) which is away from the connecting pin (3) (locations of the snap (5) and the snap housing (6) may be vice versa, as well). In here, when the front support (2) is moved with respect to the bottom support (1) such that the connection side of the front support (2) approaches to the connection side of the bottom support (1), said snap (5) is received at the snap housing (6). By this way, rotational movement of the front support (2) with respect to the bottom support (1) is prevented by means of the snap (5) and the snap housing (6). As a result, it is enabled that the front support (2) and the bottom support (1) are connected to each other in a quick and reliable way.

[0015] In a preferred embodiment of the invention, said framework comprises at least a first connection housing (7) provided at the front support (2), at least a second connection housing (8) provided at the bottom support (1), and at least one connection element (not shown in the figures) fixed to the front support (2) at at least one side, and to the bottom support (1) at at least another side such that it passes through the first connection housing (7) and the second connection housing (8). Said first connection housing (7) and the second connection housing (8) is positioned so as to be at the same horizontal line when the snap (5) is received at the snap housing (6). By this way, the connection element being preferably in the form of a screw passes through the first connection housing (7) and the second connection housing (8) to strengthen the connection between the front support (2) and the bottom support (1).

[0016] The framework according to the present invention enables to perform connection process easily since the connecting pin (3), the pin housing (4), the snap (5) and the snap housing (6) are used to connect the front support (2) and the bottom support (1) each other. Moreover, because of the fact that the front support (2) is prevented from moving at different axis with respect to the bottom support (1) as a result of said connection, a durable and reliable framework is enabled, as well.

Claims

1. A framework suitable for being used in washing and/or drying devices and comprising at least one bottom support (1); at least one front support (2) suitable for being connected to the bottom support (1); **characterized by** comprising:

   - at least one connecting pin (3) provided at the front support (2) or the bottom support (1);
   - at least one pin housing (4) which is provided at the bottom support (1) or the front support (2) and suitable for receiving said connecting pin (3);
   - at least one snap (5) provided at the front support (2) or the bottom support (1);
   - at least one snap housing (6) which is provided at the bottom support (1) or the front support (2), and suitable for receiving said snap (5) when the bottom support (1) and the front support (2) are connected to each other.

2. A framework according to Claim 1, **characterized**

in that said connecting pin (3) is in the form of a cylinder.

3. A framework according to Claim 1, **characterized in that** said pin housing (4) is in the form of a hollow cylinder.

4. A framework according to Claim 1, **characterized by** comprising at least a first connection housing (7) provided at the front support (2), at least a second connection housing (8) provided at the bottom support (1), and at least one connection element fixed to the front support (2) at at least one side, and to the bottom support (1) at at least another side such that it passes through the first connection housing (7) and the second connection housing (8).

5. A framework according to Claim 4, **characterized in that** said connection element is a screw.

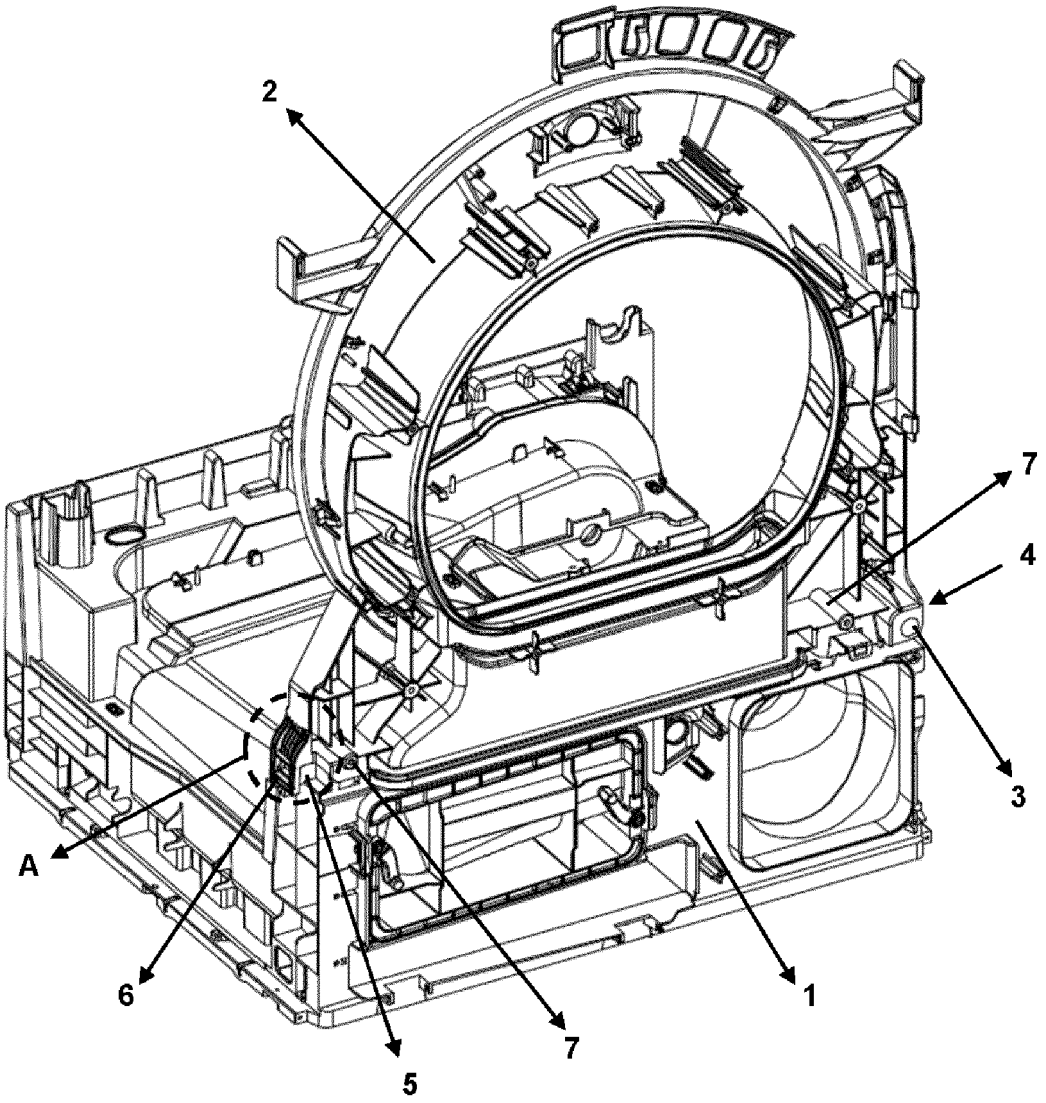

Figure – 1

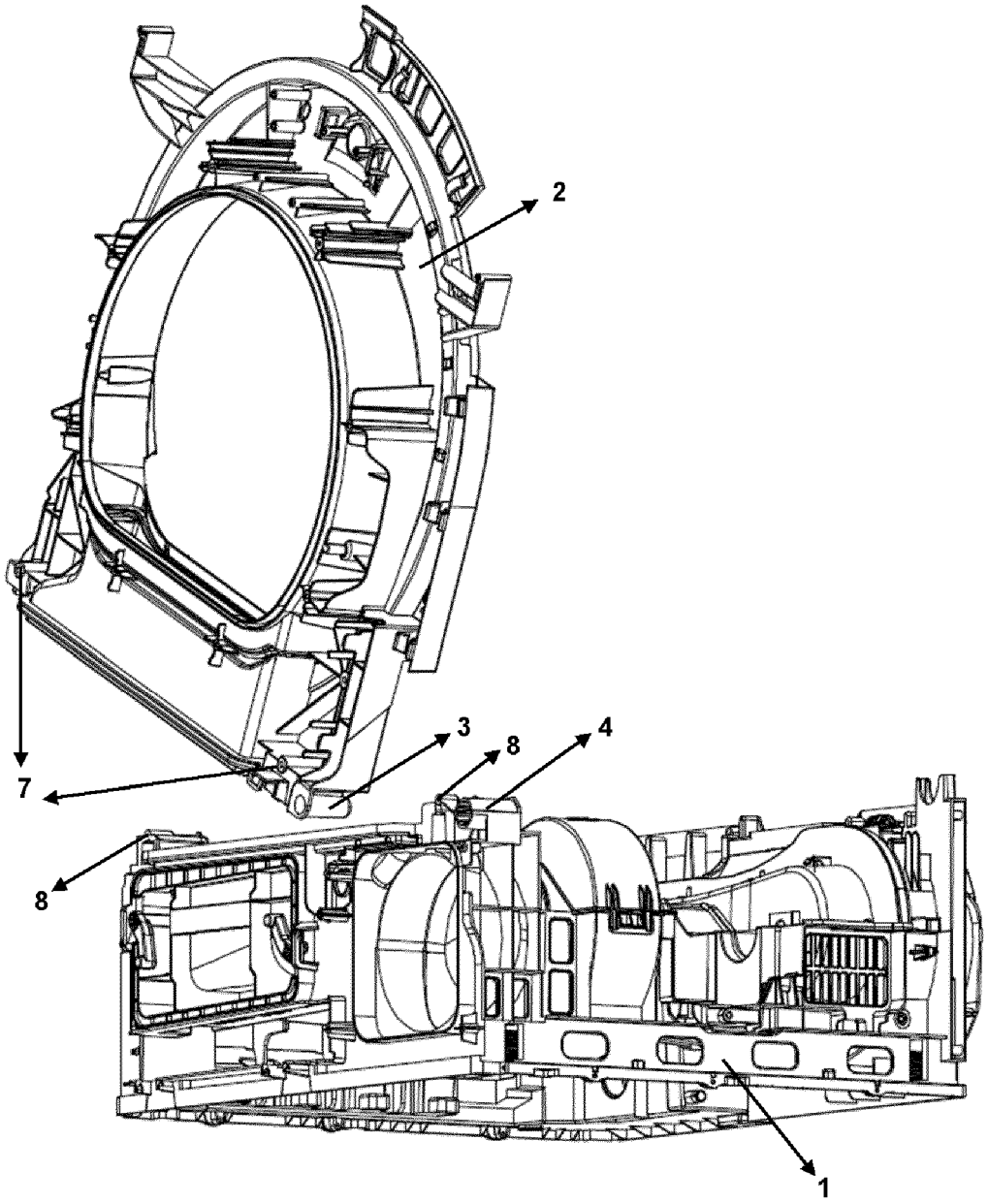

Figure – 2

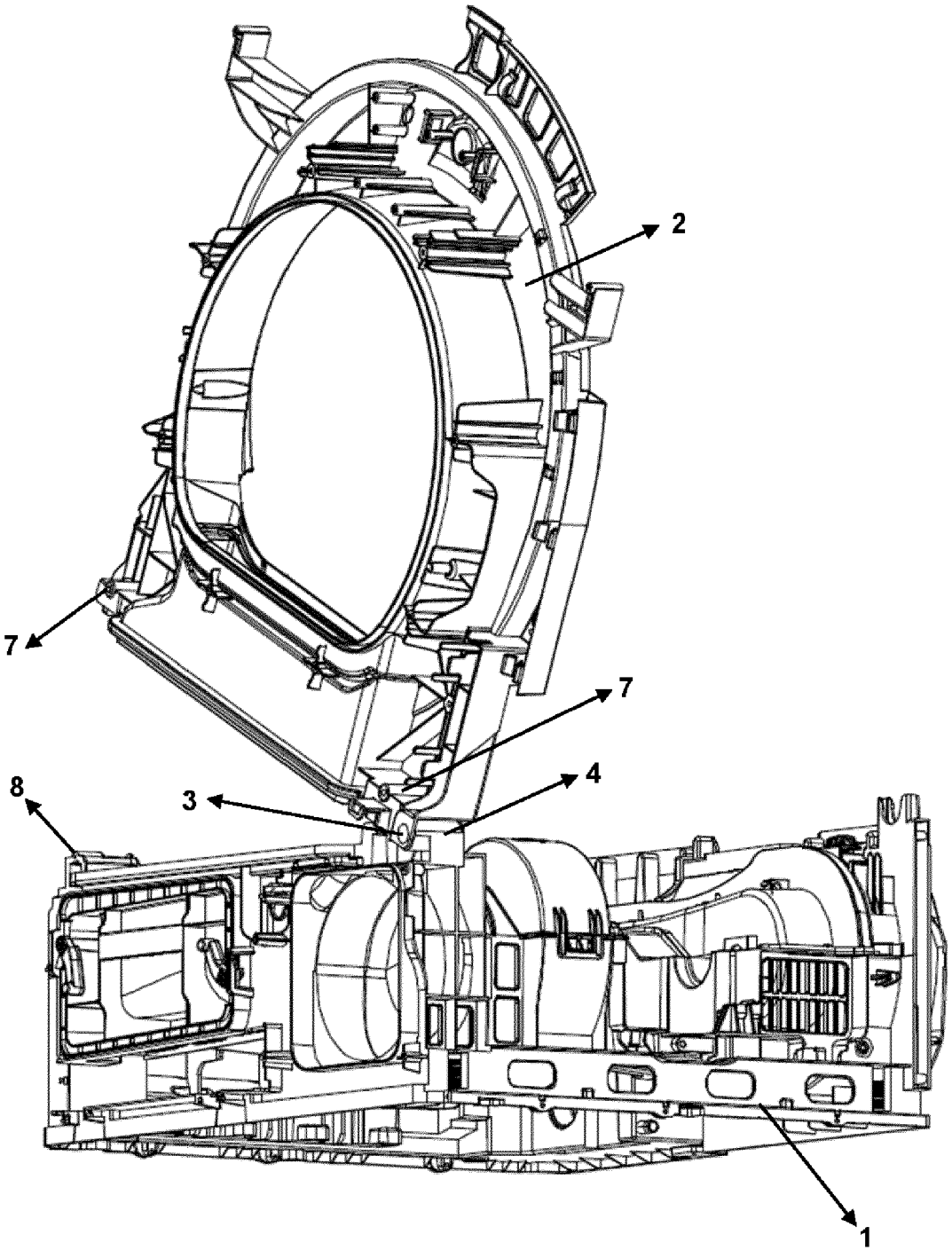

Figure – 3

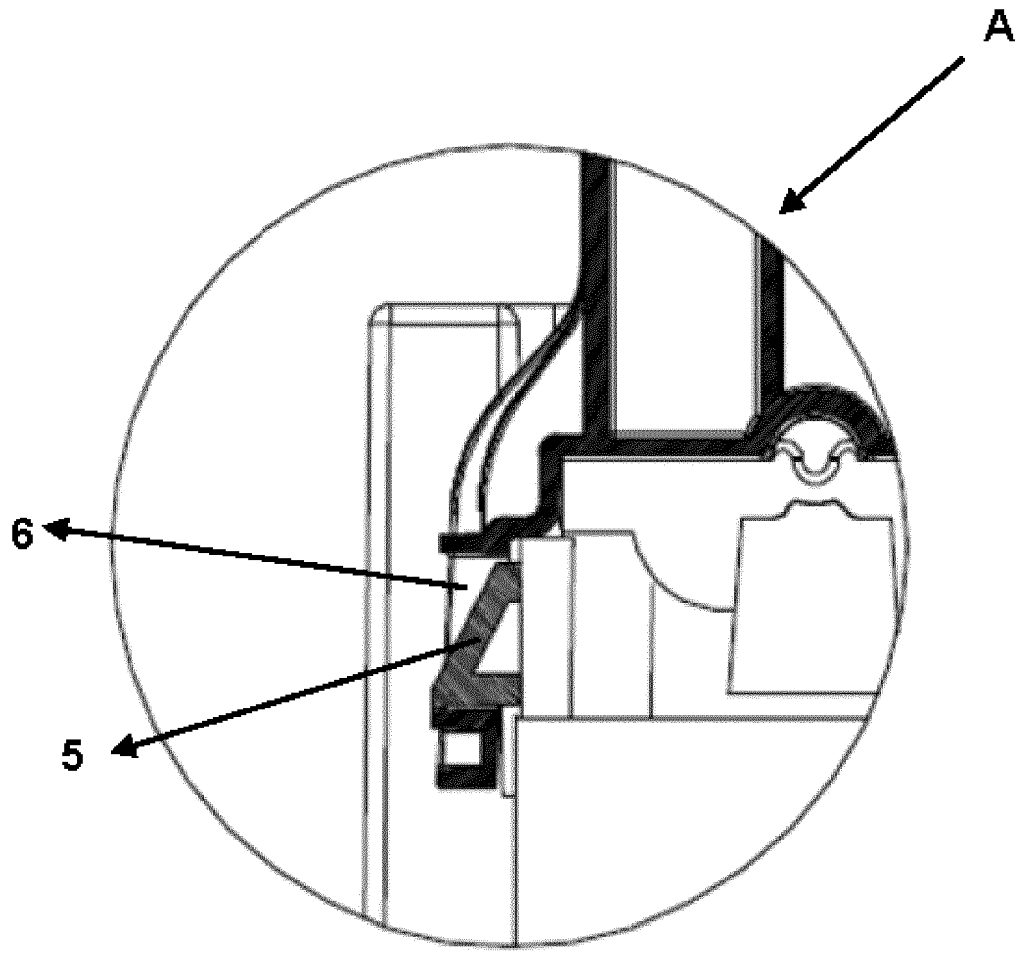

Figure – 4

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EUROPEAN SEARCH REPORT

Application Number
EP 18 20 7688

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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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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
Munich	28 May 2019	Spitzer, Bettina

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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