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(54) **Bidet faucet with a protective element for protecting a faucet airing assembly**

(57) A bidet faucet (1) comprises adjusting means for adjusting the water flow and a delivery assembly (2) supporting, at the end portion thereof not coupled to the water flow adjusting means, an airing assembly (4),

wherein the delivery assembly (2) comprises, at the end portion thereof not coupled to the water flow adjusting means, a projecting body (3) arranged above the airing assembly (4) to protect the latter from impact.

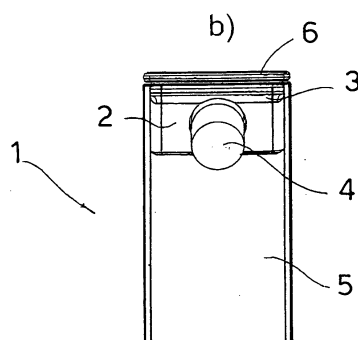
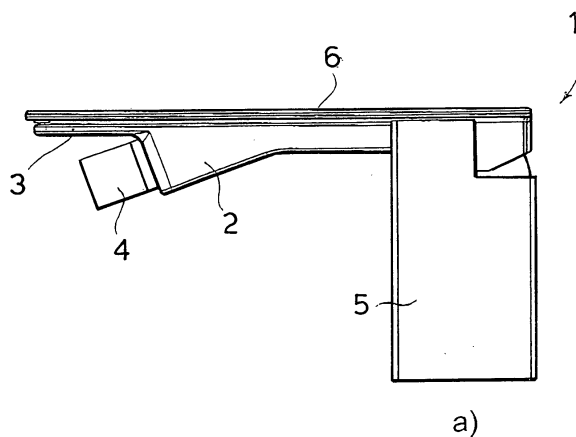


FIG.1

Description

BACKGROUND OF THE INVENTION

[0001] The present invention relates to a bidet faucet comprising water flow adjusting means and a delivery assembly bearing, at the end portion thereof not coupled to the water flow adjusting means, a movable airing assembly, that is an airing assembly which can be oriented with respect to the end portion of the delivery assembly, which airing assembly is normally reversibly connected to the end portion of the delivery assembly, to be easily cleaned, if it would be clogged, and/or replaced.

[0002] In the present disclosure, the term "airing assembly" will indifferently indicate an airing device and a water flow breaker, which are both well known to one skilled in the art.

[0003] The bidet faucets of the above disclosed type and, in particular, the coupling means for coupling the airing assembly to the delivery assembly, will not be further herein disclosed, since they are of a well known type.

[0004] It has been found that an impact against the airing assembly, due, for example, to an accidental falling of an object, would or could damage the above mentioned coupling means, thereby limiting or restraining the airing assembly displacements with respect to the delivery assembly, while causing the detachment of the airing assembly from the delivery assembly, or preventing the airing assembly from being separated by the delivery assembly.

SUMMARY OF THE INVENTION

[0005] Accordingly, the main object of the present invention is to provide such a bidet faucet which is devoid of the above mentioned drawbacks.

[0006] According to one aspect, the above object, as well as yet other objects, which will become more apparent hereinafter, are achieved by a bidet faucet having the characterizing feature shown in the independent claim 1.

[0007] Further characteristics of the invention are clearly defined in the dependent claims.

BRIEF DESCRIPTION OF THE DRAWINGS

[0008] The bidet faucet according to the present invention will be disclosed hereinafter in a more detailed manner with reference to exemplary but not limitative embodiments thereof, which are shown in the accompanying drawings, where:

Figure 1 shows a schematic side view (figure 1a) and front view (figure 1b) of a bidet faucet according to a first embodiment of the present invention; Figure 2 shows a schematic side view (figure 2a) and perspective view (figure 2b) of the bidet faucet shown in figure 1, in which the airing assembly is illustrated separated from the delivery assembly;

Figure 3 shows a schematic side view (figure 3a), a front view (figure 3b) and a top plan view (figure 3c) of a bidet faucet according to a second embodiment of the present invention;

Figure 4 shows a schematic side view (figure 4a) and a perspective view (figure 4b) of the bidet faucet illustrated in figure 3, in which the airing assembly is shown separated from the delivery assembly;

Figure 5 shows a schematic side view (figure 5a), a front view (figure 5b) and a top plan view (figure 5c) of a bidet faucet according to a third embodiment of the present invention; and

Figure 6 shows a schematic side view (figure 6a) and a perspective view (figure 6b) of the bidet faucet illustrated in figure 5, in which the airing assembly is shown separated from the delivery assembly.

DESCRIPTION OF THE PREFERRED EMBODIMENTS.

[0009] In the accompanying figures, corresponding elements will be indicated by the same number references.

[0010] More specifically, the present invention relates to a bidet faucet comprising water flow adjusting means and a water delivery assembly supporting, at its end portion not coupled to the water flow adjusting means, an airing assembly.

[0011] Said delivery assembly comprises moreover, at its end portion not coupled to the water flow adjusting means, a projecting body arranged above the airing assembly to protect the latter from possible impacts.

[0012] Figure 1 schematically shows a side view (figure 1a) and front view (figure 1b) of a bidet faucet according to a first embodiment of the invention, comprising water flow adjusting means, arranged, in the exemplary embodiments being shown in the accompanying drawings, inside the body 5 and driven by a control lever 6, and a water delivery assembly 2 bearing, at its end portion not coupled to the water flow adjusting means, an airing assembly 4.

[0013] The water delivery assembly 2 comprises moreover, at its end portion not coupled to the water flow adjusting means, a flat projecting body 3 arranged above the airing assembly 4 to protect the latter from possible impacts caused, for example, by an accidental fall thereon of an object.

[0014] Figure 2 schematically shows a side view (figure 2a) and perspective view (figure 2b) of the bidet faucet of figure 1, in which the airing assembly 4 is shown separated from the delivery assembly 2.

[0015] In figures 1 and 2, the bidet faucet 1 handle 6 is extended above the body 3 thereby covering the latter.

[0016] Without departing from the scope of the invention, the flat projecting body 3 of figures 1 and 2 is designed for application to a bidet faucet 1 having a different design, for example bidet faucets like those shown in figures 3 to 6.

[0017] Figure 3 shows a schematic side view (figure

3a), a front view (figures 3b) and a top plan view (figure 3c) of a bidet faucet 1 according to a second embodiment of the invention, differing from the above disclosed first embodiment, essentially by the fact that the projecting body 3 is a C-shape body, having its concavity directed toward the airing assembly 4.

[0018] Figure 4 shows a schematic side view (figure 4a) and a perspective view (figure 4b) of the bidet faucet shown in figure 3, in which the airing assembly 4 is shown separated from the delivery assembly 2.

[0019] Figure 5 shows a schematic side view (figure 5a), a front view (figure 5b) and a top plan view (figure 5c) of a bidet faucet 1 according to a third embodiment of the present invention, differing from the above disclosed embodiments essentially by the fact that the surface of the projecting body 3 has a curved contour having its concavity directed toward the airing assembly 4.

[0020] Figure 6 shows a schematic side view (figure 6a) and a perspective view (figure 6b) of the faucet shown in figure 5, in which the airing assembly 4 is shown separated from the delivery assembly 2.

[0021] In figures 3 to 6, the top surface of the delivery assembly 2 and the bottom surface of the faucet handle 6 have a curved configuration, said faucet handle 6 having substantially the same length as that of the delivery assembly 2, thereby the body 3 will project from the faucet handle 6 (figures 3a, 3c; 5a, 5c).

[0022] Without departing from the scope of the invention, the curved projecting body 3 shown in figures 3 to 6 can be applied to a bidet faucet 1 of a different design or pattern, for example to the bidet faucet 1 shown in figures 1 and 2.

[0023] Moreover, the bidet faucet 1 may comprise a projecting body 3 having a reversed-U contour, that is reversed through 180°, with the opening thereof facing the airing assembly 4.

[0024] Without departing from the scope of the invention, one skilled in the art could modify the above disclosed protective elements for protecting the airing assembly, and based on its skillness and natural technical evolution.

3. A bidet faucet (1), according to claim 1, **characterized in that** said projecting body (3) is a C-shape body having a concavity thereof facing said airing assembly (4).

4. A bidet faucet (1), according to claim 1, **characterized in that** said projecting body (3) has a bottom surface having a curved contour including a concavity facing said airing assembly (4).

5. A bidet faucet (1), according to claim 1, **characterized in that** said projecting body (3) has a reversed U contour, reversed through 180°, and having an opening thereof facing said airing assembly (4).

Claims

1. A bidet faucet (1) comprising water flow adjusting means and a delivery assembly (2) supporting, at the end portion thereof not coupled to said water flow adjusting means, an airing assembly (4), **characterized in that** said delivery assembly (2) comprises, at its end portion not coupled to said water flow adjusting means, a projecting body (3) arranged above the airing assembly (4) to protect the latter from impacts.

2. A bidet faucet (1), according to claim 1, **characterized in that** said projecting body (3) is a flat projecting body.

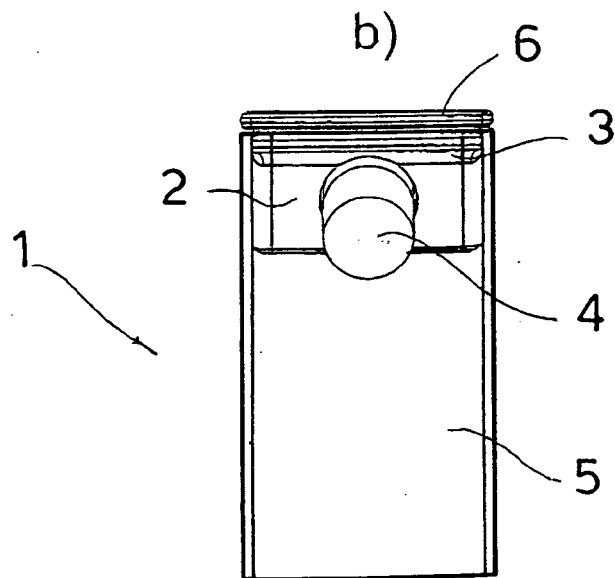
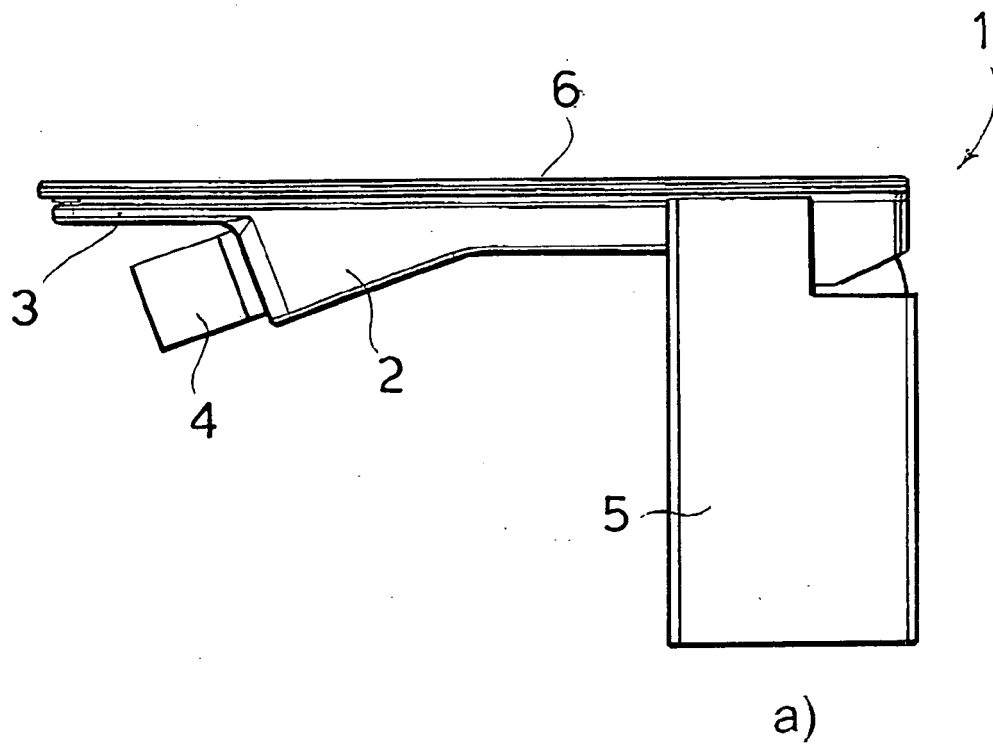
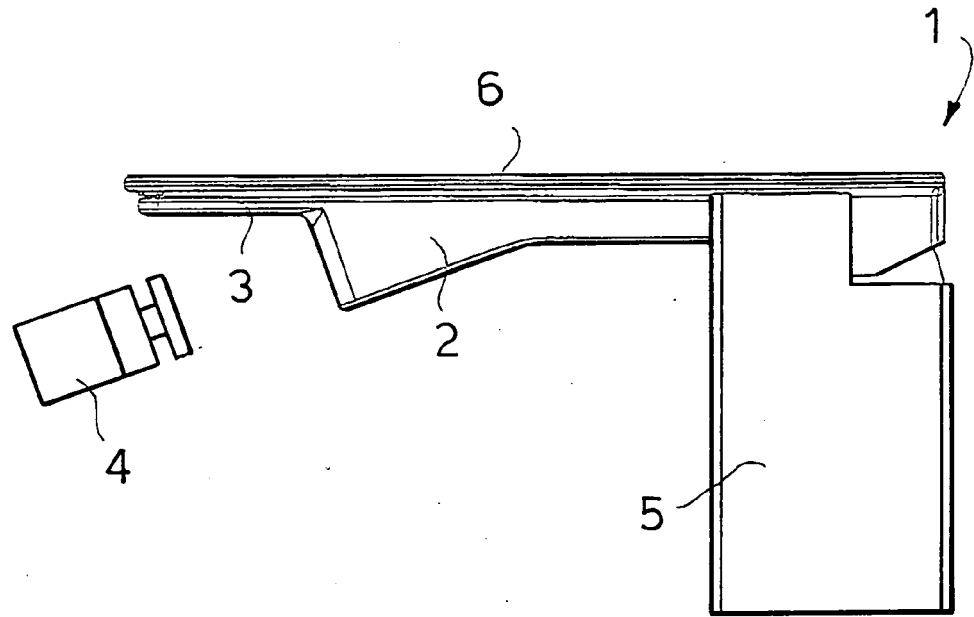
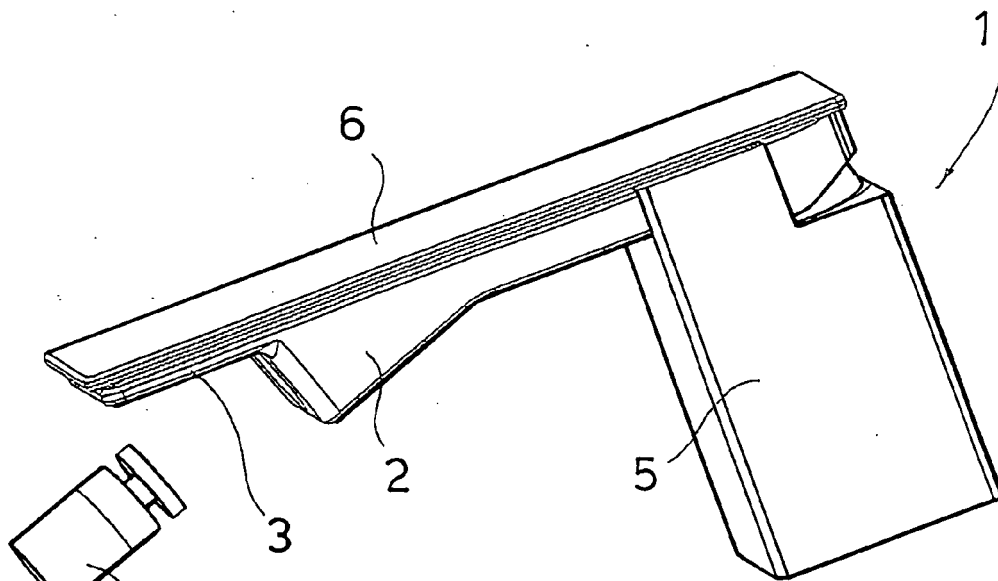


FIG.1



a)



b)

FIG. 2

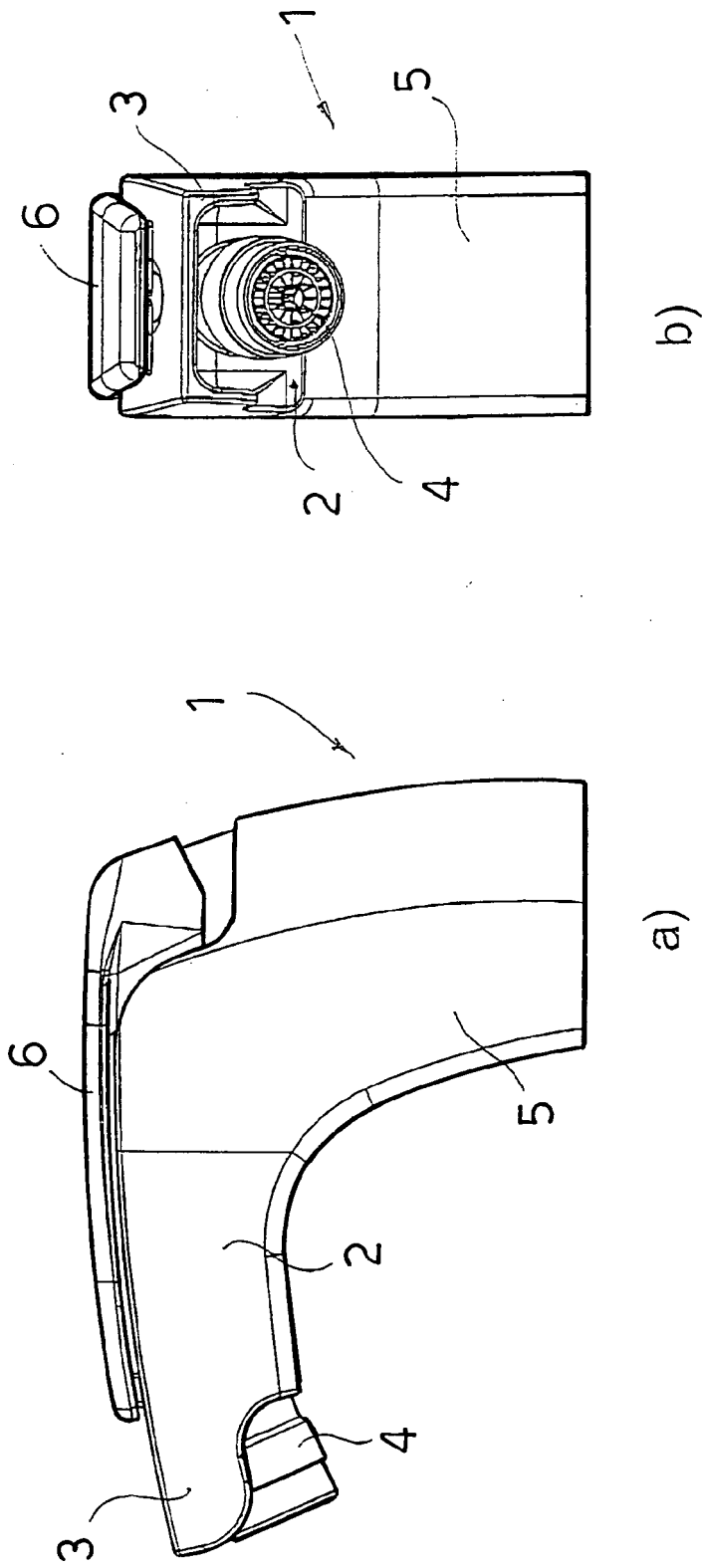


FIG. 3

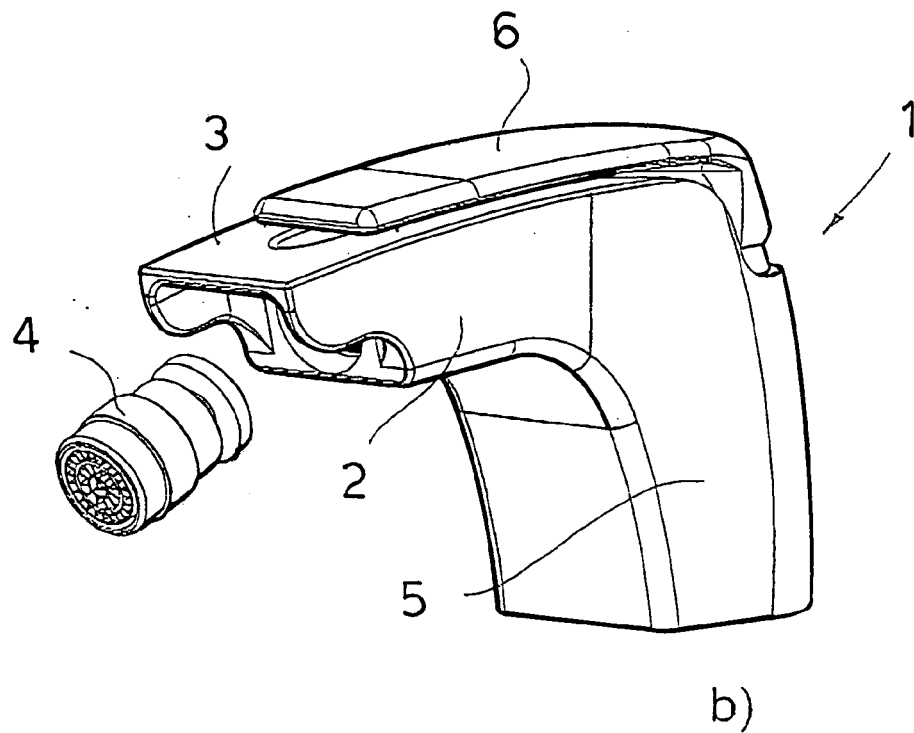
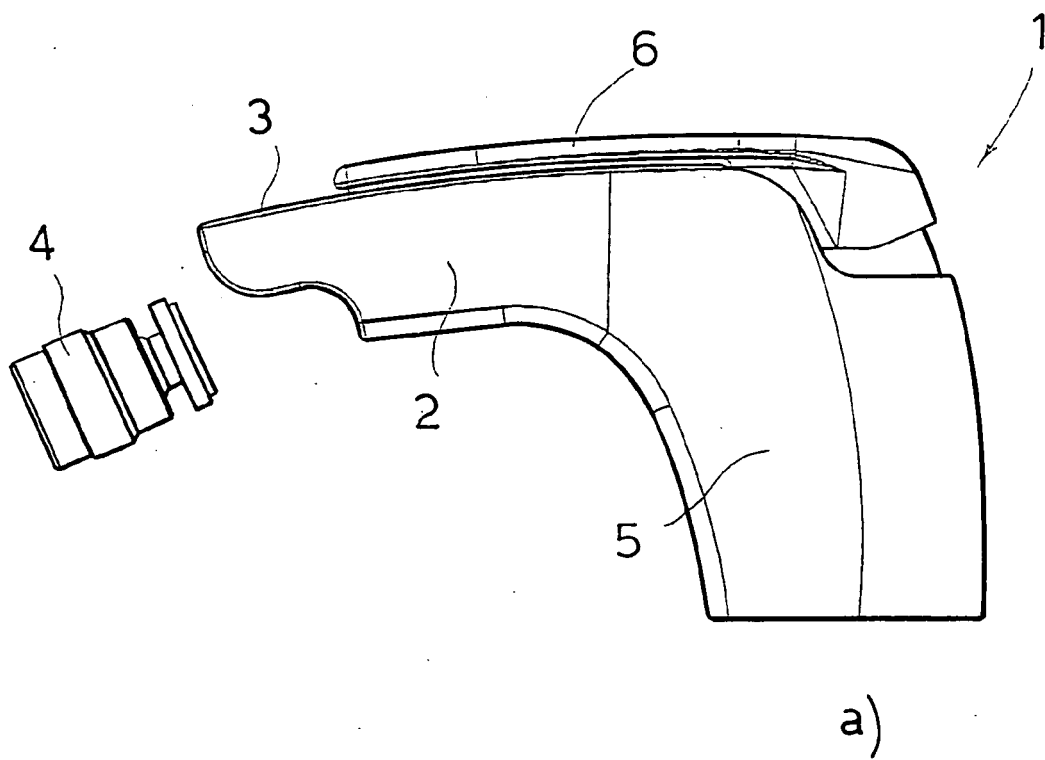


FIG. 4

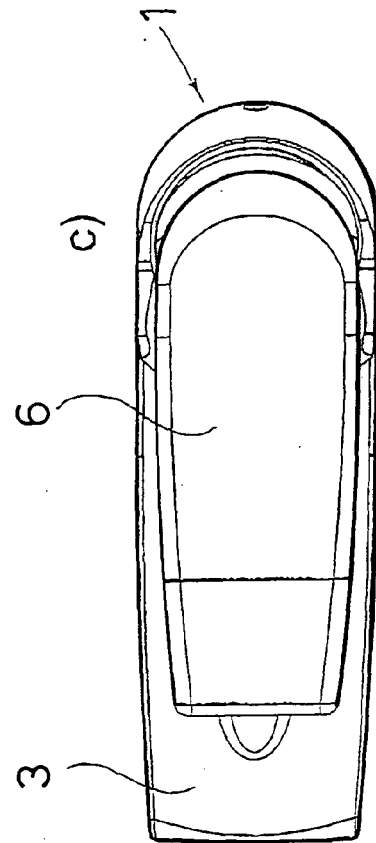
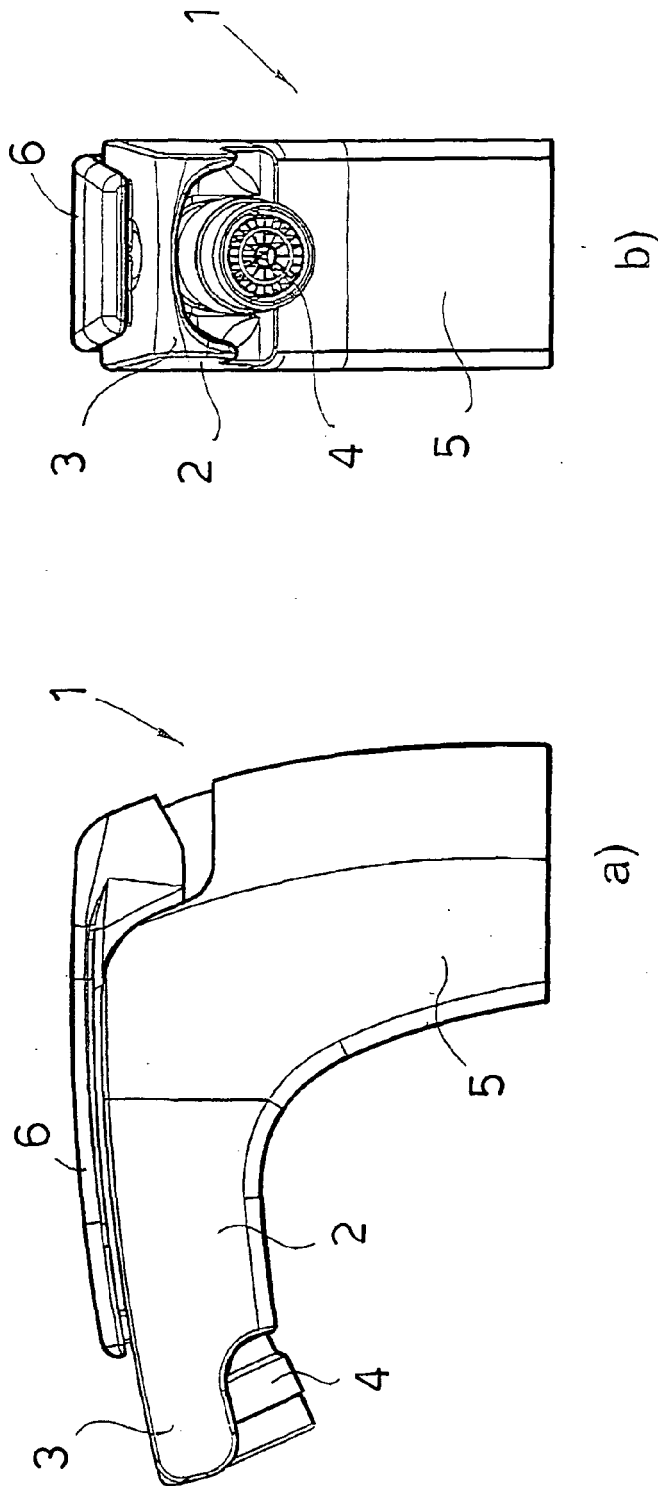
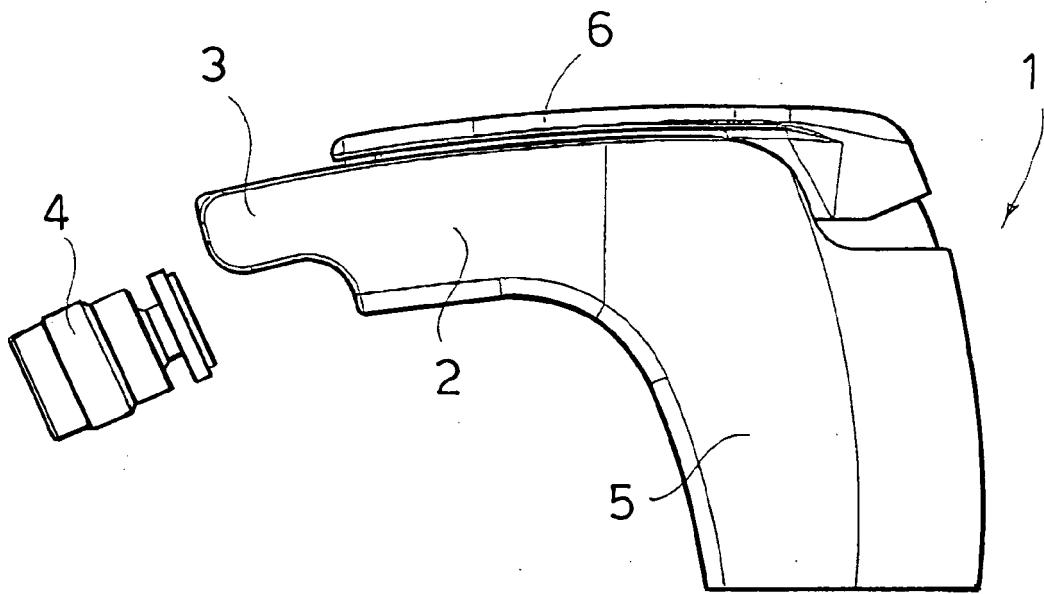
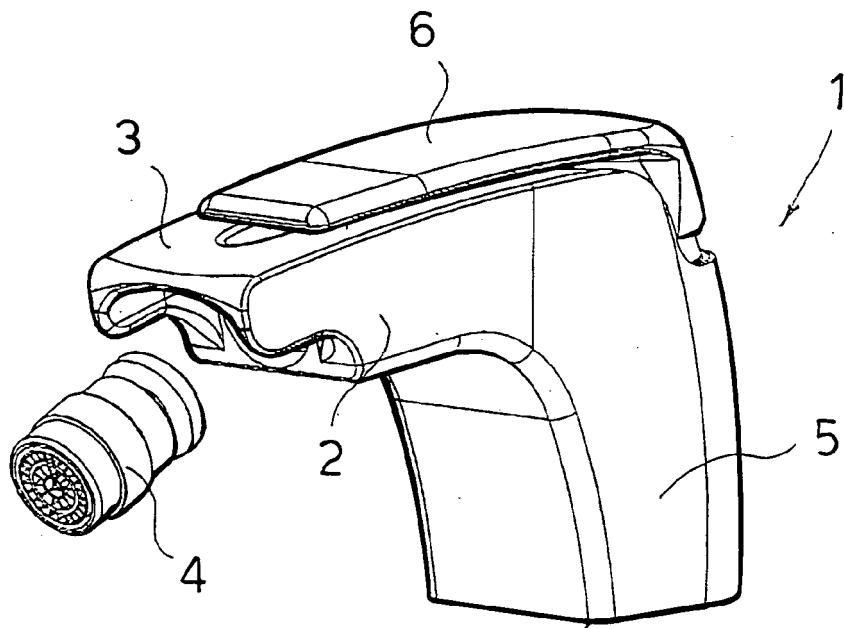


FIG. 5



a)



b)

FIG. 6