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(54) Benævnelse: **VARMTVANDSHANE MED ISOLERET UDLØB**

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DESCRIPTION

HOT WATER FAUCET WITH INSULATED OUTLET

The invention relates to a hot water faucet for water output at a tapping temperature above 60° according to the preamble of claim 1.

Along with thermostatic and mixed water faucets, hot water faucets are known, which in particular deliver small amounts of water or water vapor at temperatures of up to 110°C. The latter are mainly used in kitchens, where hot or boiling water is used, especially in small quantities, to prepare tea, coffee, for poaching or the like. Since there is a risk of scalding due to the high temperatures, it is necessary to provide such faucets with certain safety devices.

Since precisely the outlet often swivels, and therefore, is touched when a container is filled in the kitchen, precisely when running the hot water there is a risk getting burned when touching the outlet.

From EP 0 792 970 A1, for example, a hot water faucet is known that has the characteristics of the preamble of claim 1 and whose outlet is sheathed with a thermal insulating material.

Also known from JP-A-10-292453 is a pivotable sanitary faucet with an internally guided plastic hose, wherein the plastic has low thermal conductivity.

The subject matter of the invention is to provide a hot water faucet in which there is no risk of burns when touched even at high water temperatures.

This objective is met by a hot water faucet with the characteristics of claim 1. An advantageous enhancement is the subject matter of claim 2.

With the invention, a hot water faucet for water output at a tapping temperature above 60°C, with an outlet pivotable around a vertical axis, comprising an outer envelope surrounding a water channel and having a check valve, wherein the water channel is

connected to an outlet opening of the check valve, in which the water channel is arranged in the outlet at a distance from the outer envelope, wherein an insulating layer of air is enclosed in the gap between the water channel and the outer envelope of the outlet. Accordingly, the water channel is thermally uncoupled from the outer envelope of the outlet, such that there can be no heat transfer due to heat conduction.

According to the invention, the water channel is provided from a flexible hose. This makes it possible to flexibly adapt the hose to any outlet shape.

According to the invention, the hose is made of a silicone, polysiloxane or polytetrafluoroethylene (PTFE or Teflon). To reinforce the hose, a stainless steel or plastic mesh sheathing can also be provided.

An example embodiment of the invention is represented in the drawing and is described in more detail below. The following is shown in the drawings,

Figure 1 a hot water faucet according to the invention in cross-section;

Figure 2 a cross-section through Figure 1 along line 2-2.

Figure 1 shows a cross-section through a hot water faucet for hot water output.

In a faucet body 4 an outlet 6 is pivot-mounted by means of an insert 5. A water supply line 1 leads from a heater of a hot water preparer or heater (not shown) to a water inlet opening of a check valve 2. From the water outlet opening of the check valve 2, in turn, a water channel 3 in the form of a flexible hose is arranged to the jet former 7 on the end of the outlet 6.

Figure 2 shows a cross-section through the hot water faucet of Figure 1, a handle 9, which is provided to actuate the check valve 2. The gripping envelopes of the handles 9 of this type are generally made of a plastic material, so that the spindle of the check valve 2 is sufficiently insulated from the user.

As attachment device 8, a threaded rod or the like with associated screw connection is usually provided, whereby the hot water faucet of a faucet bench or work plate can be attached.

Since output 6 can be touched at different points during pivoting, it is necessary to ensure suitable thermal insulation throughout its length. Therefore, the flexible hose is arranged from the attachment point of the outlet 6 to the jet former 7 or, the water outlet at a distance from the outer envelope of the outlet, so that the latter is thermally uncoupled from the water channel 3. Due to the layer of insulating air between the hose and the outlet 6, direct heat transfer cannot occur.

List of references

1	Water supply line
2	Check valve
3	Water channel
4	Faucet body
5	Pivotable insert
6	Outlet
7	Jet former
8	Attachment device
9	Handle

VARMTVANDSHANE MED ISOLERET UDLØB

1. En varmtvandshane med

- Tryk temperaturer over 60 Grader,
- Et Blandingsbatteri legeme (4),
- En hane (6), der er drejelig omkring en lodret akse, og som er drejeligt monteret på vandhanelegemet (4) ved hjælp af et indsats (5),
- har en ydre kappe omkring en vandkanal (3),
- en tilbagekoblingsventil (2) anbragt i vandhanelegemet (4), hvor en vandforsyningsledning (1) leder fra en vandvarmer eller kedel til en vandindløbsåbning af tilbageslagsventilen (2),
- hvor vandrøret (3) er forbundet til en udløbsåbning af tilbageslagsventilen (2), og vandrøret (3) er arrangeret fra udløbsåbningen til en stråleformer (7) på enden af udløbet (6),

karakteriseret ved det

- vandrøret (3) er leveret som en fleksibel slange og er anbragt i udløbet (6) i en afstand fra den ydre kappe, hvor et isolerende luftlag er lukket i spalten mellem vandrøret
- (3) og den ydre kappe på hanen (6), og
-vandslangen er fremstillet af en silikone, en polysiloxan eller polytetrafluorethylen.

2. Vandhanen ifølge krav 1, kendetegnet ved, at slangen har en kappe fremstillet af rustfrit stål mesh eller plastnet.

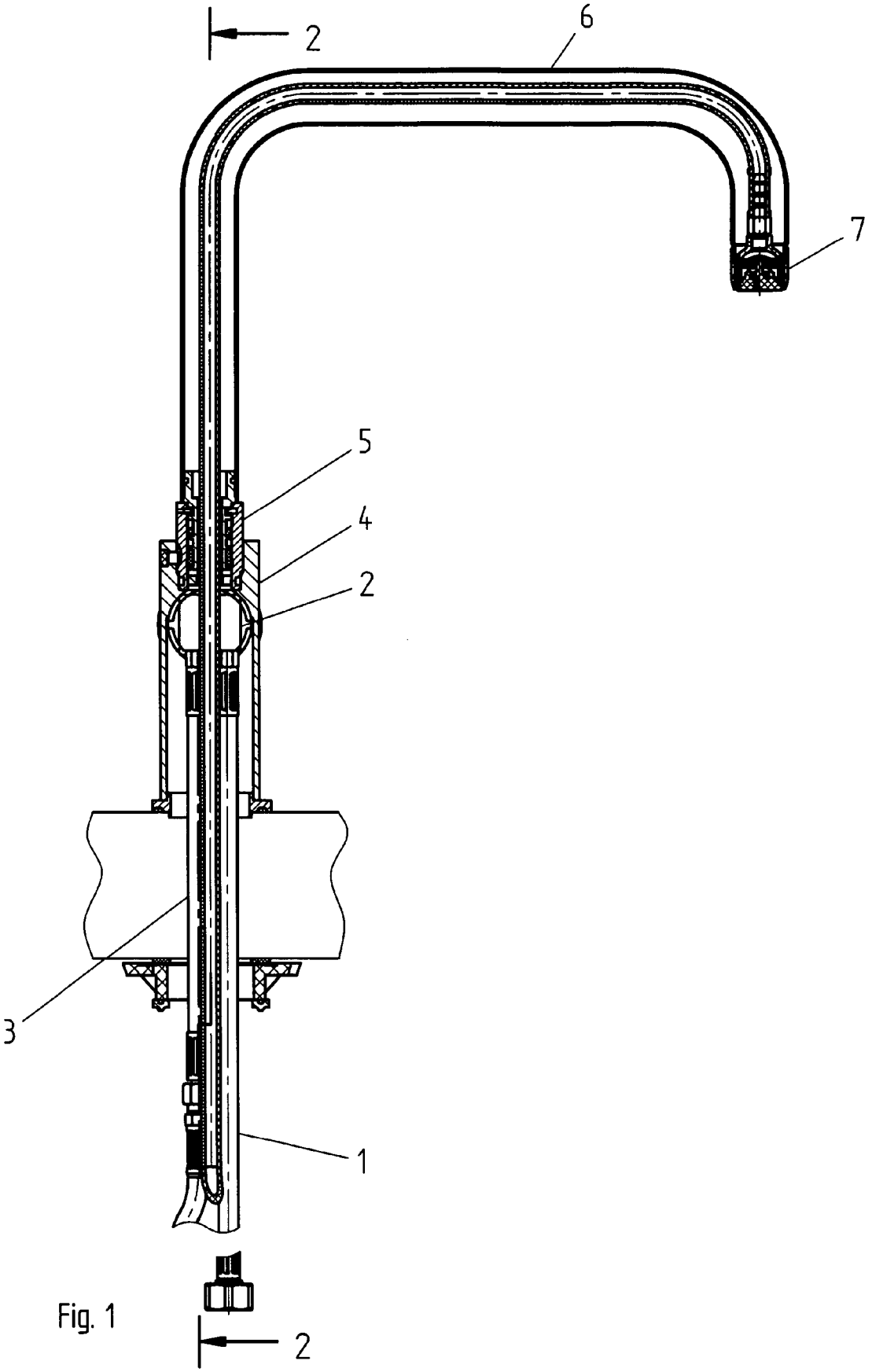

Fig. 1

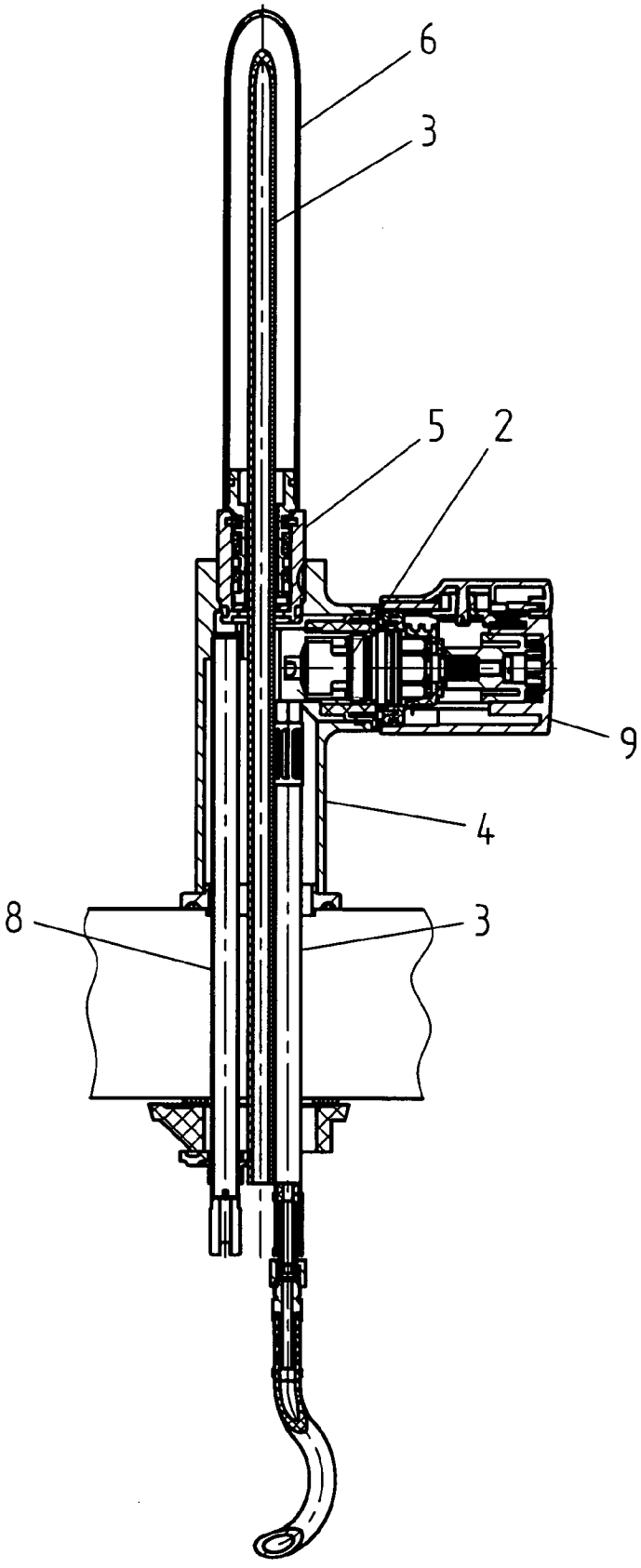

Fig. 2