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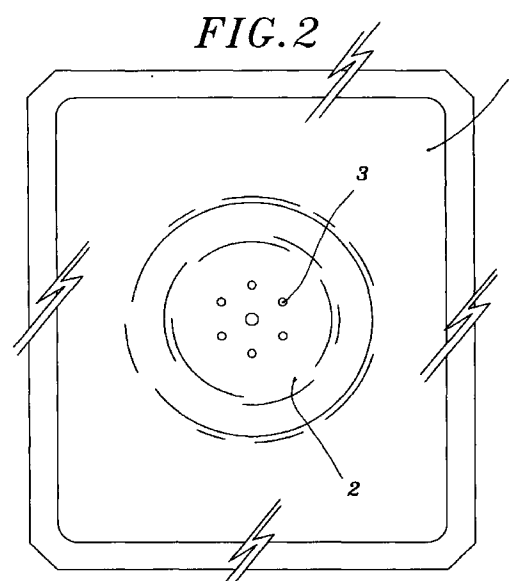
Remarks:

An appeal against a decision of the Receiving
Section concerning the date of filing of the
application is pending.

(54) **Sink for kitchens, bathrooms and the like**

(57) Sink made up of a body (1) whose lower part includes a valve (2) provided with a plurality of orifices (3) which allows water to pass towards a drainage pipe, and characterized in that said valve (2) forms a single piece with the rest of the sink body (1).

A sink is provided whose manufacturing process is much simpler, resulting in a considerable saving of materials and labour.



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Description

[0001] The present invention relates to a sink for kitchens, bathrooms and the like, whose cost of manufacture is substantially lower than that of the known sinks.

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BACKGROUND OF THE INVENTION

[0002] Widely known in the art are sinks for kitchens, bathrooms and the like, which are made up of a body and have fitted into their drainage outlet a valve provided with a plurality of orifices to permit water to pass through the drainage outlet.

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[0003] In the known sinks said valve is a part independent of the body of the sink, the valve being fitted during the sink manufacturing process.

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[0004] Moreover, in the known sinks said valve includes a closure fitment which permits the passage of water through the drainage outlet to be closed off. This closure fitment can be a plug which is independent of the valve or a movable fitment incorporated into the valve, which must be fitted during the sink manufacturing process.

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[0005] The valves are usually fixed to the drainage outlet by perimetric welding, while to the underside they are attached by means of a clamp to the pipe which leads to the U-bend, thereby achieving a watertight seal between the valve outlet and the pipe. The closure fitment is usually basket-shaped and is attached to the valve by means of a bolt, allowing the closure fitment to move with respect to the valve.

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[0006] Clearly, this construction is complex and expensive, involving a high percentage of waste material due to the sections which must be cut out and hollowed in the manufacturing of said components.

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[0007] The sink of the invention for kitchens, bathrooms and the like, which sink calls for a much simpler manufacturing process and substantially lower manufacturing cost, has been designed in order to solve the aforesaid disadvantages, while at the same time fulfilling a function identical to that of the currently known sinks.

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DESCRIPTION OF THE INVENTION

[0008] The sink of the invention for kitchens and bathrooms is characterized in that the valve is formed of a single piece with the rest of the sink body, said valve being a cavity provided with a plurality of orifices made in the bottom of the body.

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[0009] This characteristic provides a sink whose manufacturing process is much simpler, with considerable saving of materials and labour.

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[0010] The sink of the invention also provides the following advantages:

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- a) Reduction of the following processes in die-pressing of the valve:

- cutting of strips;
- cutting of discs;
- die-pressing the valve body;
- cutting away of excess material from the die-pressing process;

b) Reduction of the cost of polishing, since it is included in the cost of polishing the sink;

c) Easier installation;

d) Lower consumption of materials:

- the greater cost, pertaining to the main valve body, is eliminated, for that body now forms a single piece with the sink body;
- reduced size of the lower base which is attached to the central part of the bottom of the sink, which is the site of the drainage outlet, since the diameter of the drainage outlet is some 50% smaller than the orifice which forms the drainage outlet in the known sinks;
- smaller measurements of the leaktightness gasket required to seal the bottom part;

e) Prevents the possibility of water leaks around the valve periphery due to faulty installation or damage to the leaktightness gasket which seals the valve against the sink;

f) Prevents the accumulation of dirt on the edge of the valve.

[0011] The valve can also include a movable closure fitment which in a first position allows water to pass through the orifices towards the drainage pipe and in a second position closes off the passage of water.

BRIEF DESCRIPTION OF THE DRAWINGS

[0012] For a better understanding of the matters described in this specification some drawings are attached which, solely by way of example, show a practical case of embodiment of the sink of the invention.

Figure 1 is an elevation view in cross-section of the sink of the invention for kitchens, bathrooms and the like; and

Figure 2 is a plan view of the sink of the invention for kitchens, bathrooms and the like.

DESCRIPTION OF A PREFERRED EMBODIMENT

[0013] As can be appreciated in Figure 1, the sink of the invention is made up of a body 1 whose lower part has a cavity 2 which functions as a valve. This valve 2 forms a single piece with the rest of the sink body 1.

[0014] As can be appreciated in Figure 2, the valve 2 is provided with a plurality of orifices 3 which permit the outlet of water towards the pipes (not shown).

[0015] The sink of the invention also includes a clo-

sure fitment 4 which permits selective opening or closure of the passage of water through the orifices 3 of the valve 2. Figure 1 shows an embodiment of said closure fitment, which is made up of a basket-shaped body 4 which is attached by means of a bolt 5 to a lower linking body 6 which is welded to the bottom part of the valve 2. 5

[0016] In order to assist understanding, Figure 2 shows the sink of the invention without any closure fitment, showing clearly that the valve 2 forms a single piece with the rest of the sink. 10

[0017] As is obvious, the closure fitment of the valve does not necessarily have to be that shown in Figure 1, but could for example be a plug which would be pressure-fitted on the valve.

[0018] Independent of the object of the invention will be the materials used in manufacture of the sink components, the shapes and dimensions of same and all accessory details which might be presented, as long as they do not affect its essential nature, which is set out in the attached claims. 15 20

Claims

1. Sink for kitchens, bathrooms and the like, which is made up of a body (1) whose lower part includes a valve (2) provided with a plurality of orifices (3) which allow water to pass towards a drainage pipe, characterized in that said valve (2) is formed of a single piece with the rest of the sink body (1), said valve (2) being a cavity provided with a plurality of orifices (3) formed in the bottom of the body (1). 25 30
2. Sink for kitchens, bathrooms and the like, as claimed in Claim 1, characterized in that said valve (2) includes a movable closure fitment (4) which in a first position allows water to pass through the orifices towards the drainage pipe and in a second position closes off the passage of water. 35 40

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FIG. 1

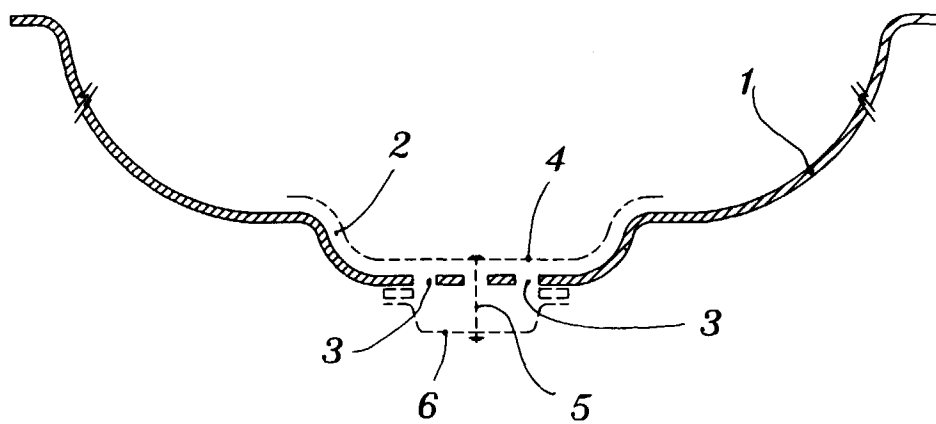
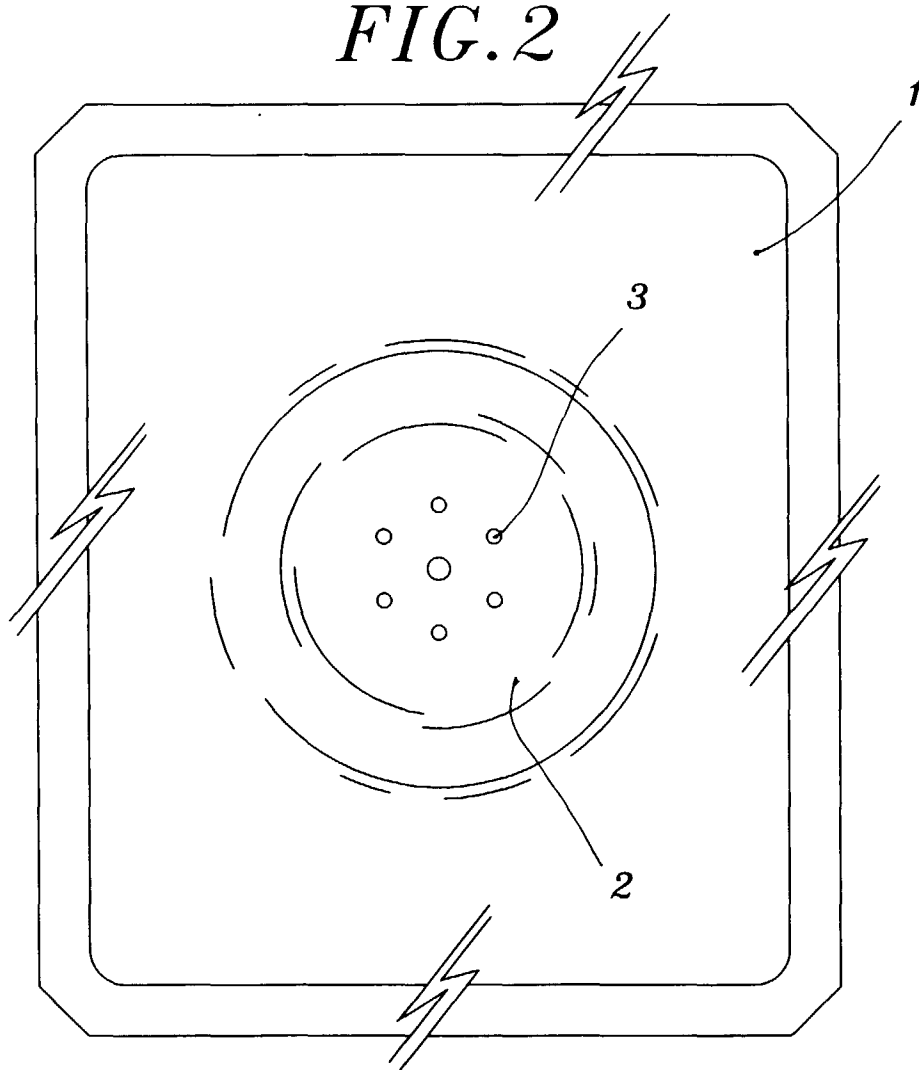


FIG. 2





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EUROPEAN SEARCH REPORT

Application Number
EP 97 50 0145

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.6)
A	US 2 035 000 A (SWAIN) * page 1, left-hand column, line 25 - line 30 *	1	E03C1/00 E03C1/20 E03C1/182
A	GB 1 298 801 A (KNIGHT) * figures 1,2 *	1,2	
			TECHNICAL FIELDS SEARCHED (Int.CI.6)
			E03C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 13 February 1998	Examiner Van Beurden, J
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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