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(72) Inventor; and
(71) Applicant : **BILGIC, Husnuye** [TR/TR]; 1322 Cadde. (Eski 6 Cadde.) Tanyeri Apartmani, No:67 Daire:3, Asagi Ovecler, Ankara (TR).

(74) Agent: **OZSOY, Zeliha**; Tritech Patent Trademark Consultancy Inc., Cankaya Mahallesi Mahmut Yesari Sokak No:8/5, Cankaya/Ankara (TR).

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(54) **Title**: AN ABLUTION ASSEMBLY FOR FOOT

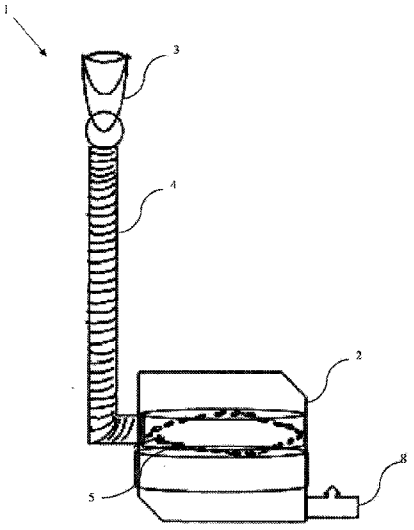


Figure 1

(57) **Abstract**: The present invention relates to an ablution assembly whereby feet are washed inside a chamber as hands-free during ablution. The inventive ablution assembly for foot (1) comprises: at least one chamber (2) wherein the foot to be washed is placed; at least one connection member (3) which provides the water for the washing process to be carried out inside the chamber (2); at least one water pipe (4) which provides the connection for the water flow between the chamber (2) and the connection member (3); at least one hole (5) which enables the water necessary for the washing process to reach the foot on the chamber (2); at least one underlay (6) which is located on the chamber (2) part contacting the foot and has at least one cavity (7) on which the water can pass; and at least one outlet member (8) whereby the water coming from the chamber (2) is discharged.

DESCRIPTION

AN ABLUTION ASSEMBLY FOR FOOT

Technical Field

The present invention relates to an ablution (wudu) assembly whereby feet are washed inside a chamber as hands-free during ablution.

Background of the Invention

Today, the method being currently used in order to perform ablution for feet is to wash feet by raising them into the sink. Ablution by raising feet into the sink (wash-basin) leads to various accidents. This is extremely inconvenient and dangerous for particularly elders, cardiac and blood pressure patients. Another application being used at the present time is to perform feet ablution by means of a sink having a lower height near a present sink. A further method being used it to perform ablution by means of another sink having a lower height inside the cabinet at the lower part of a present sink.

Another method for performing ablution frequently used in the recent times is a system with a constant and large size which is called as auto wudu washer, however, it is not portable and it only makes the ablution easier.

The invention which is the subject of the Turkish utility model application no. **TR201312681** discloses an ablution unit which is designed in order to be used in all areas with bathroom and toilet and enables to perform ablution by providing practical, fast, safe ablution and water-saving. Access to the tap can be provided by means of the seat the height of which can be adjusted in the said unit. Thereby, the user can reach the foot areas without bending too much.

Summary of the Invention

An objective of the present invention is to realize an ablution assembly for foot whereby foot ablution is performed such that the person performing the ablution is not subjected to any accident.

Another objective of the present invention is to realize an ablution assembly for foot whereby foot ablution is performed easily and in a short time.

A further objective of the present invention is to realize an ablution assembly for foot which enables to perform foot ablution everywhere due to the fact that it is portable.

A yet further objective of the present invention is to realize an ablution assembly whereby inter-toes can be washed more comfortably due to the fact that it comprises a demountable head.

Detailed Description of the Invention

"An ablution assembly for foot" realized to fulfil the objectives of the present invention is shown in the figure attached, in which:

Figure 1 is a side block view of the inventive ablution assembly for foot.

Figure 2 is a side view of the foot chamber in the inventive ablution assembly for foot.

Figure 3 is a view of the connection member used in the inventive ablution assembly for foot.

Figure 4 is a view of the water pipe included in the inventive ablution assembly for foot.

Figure 5 is a view of the head used in the inventive ablution assembly for foot.

Figure 6 is a view of the holes inside the chamber in the inventive ablution assembly for foot.

Figure 7 is a view of the underlay used in the inventive ablution assembly for foot.

Figure 8 is a view of the outlet members used for discharging water inside the chamber in the inventive ablution assembly for foot.

Figure 9 is an upper view of sheath in the inventive ablution assembly for foot.

The components illustrated in the figures are individually numbered, where the numbers refer to the following:

1. Ablution assembly
2. Foot chamber
3. Connection member
4. Water pipe
5. Hole
6. Underlay
7. Cavity
8. Outlet member
9. Head
10. Sheath

The inventive ablution assembly for foot (1) essentially comprises:

- at least one chamber (2) wherein the foot to be washed is placed;
- at least one connection member (3) which provides the water for the washing process to be carried out inside the chamber (2);
- at least one water pipe (4) which provides the connection for the water flow between the chamber (2) and the connection member (3);
- at least one hole (5) which enables the water necessary for the washing process to reach the foot on the chamber (2);
- at least one underlay (6) which is located on the chamber (2) part contacting the foot and has at least one cavity (7) on which the water can pass; and
- at least one outlet member (8) whereby the water coming from the chamber (2) is discharged.

The inventive ablution assembly (1) also comprises at least one head (9) which is used for giving water to the foot except the hole (5) located inside the chamber (2). The head (9) comprises a soft tip in order that inter-toes can contact water inside the chamber (2). In a preferred embodiment, the head (9) is demountable.

In a preferred embodiment of the invention, the underlay (6) comprises at least one protrusion which is used for stabilize the foot from inter-toes. In a preferred embodiment, there are four protrusions created such that they will correspond to the inter-toes of the foot on the underlay (6).

The inventive ablution assembly (1) also comprises at least one sheath (10) wherein the chamber (2), the connection member (3) and the water pipe (4) are placed in order that users can perform an easy transport.

In a preferred embodiment of the invention, the chamber (2) is the section wherein the foot contacts water for performing ablution. The chamber (2) comprises at least one gap where the foot can enter. In a preferred embodiment of the invention, the chamber (2) consists of two parts where the foot is washed and the water generated after the washing exits.

In the inventive ablution assembly (1), the connection member (3) is the member which provides the connection to the water source for supplying water to the chamber (2). In a preferred embodiment, the connection member (3) is configured such that it will adapt to be connected to all sorts of water sources such as tap, etc.

In a preferred embodiment of the invention, one end of the water pipe (4) is connected to the connection member (3) and its other end is connected to the chamber (2).

In the inventive ablution assembly (1), there are a plurality of holes (5) which supply water into the chamber (2). In a preferred embodiment, the holes (5) are located in the inner part of the chamber (2) facing the foot.

In a preferred embodiment of the invention, the underlay (6) is configured such that the foot is comfortable and the inter-toes are placed to be opened. The underlay (6) comprises a plurality of cavities (7) which are used for the water given to the foot to leave the underlay (6).

In inventive ablution assembly (1), the outlet member (8) is a stopper or tap which is used for discharging the water inside the chamber (2).

In inventive ablution assembly (1), firstly the connection member (3) is connected to the water tap and then supplies the water for the washing process to be carried out inside the chamber (2). The water reaching the chamber (2) by means of the water pipe (4) reaches the foot inside the chamber (2) by exiting the holes (5). Also, the head (9) can be used for washing the toes more easily. Water flow is provided inside the chamber (2) upon the water inside the chamber (2) passes through the cavities (7) and is discharged by the outlet member (8). The inventive ablution assembly (1) gains a portability characteristic for everywhere upon it is placed into its sheath (10).

CLAIMS

1. An ablution assembly (1) essentially **comprising**

- at least one chamber (2) wherein the foot to be washed is placed;
- at least one connection member (3) which provides the water for the washing process to be carried out inside the chamber (2);
- at least one water pipe (4) which provides the connection for the water flow between the chamber (2) and the connection member (3);
- at least one hole (5) which enables the water necessary for the washing process to reach the foot on the chamber (2);
- at least one underlay (6) which is located on the chamber (2) part contacting the foot and has at least one cavity (7) on which the water can pass; and
- at least one outlet member (8) whereby the water coming from the chamber (2) is discharged.

2. A system (1) according to Claim 1, **characterized by** at least one head (9) which is used for giving water to the foot except the hole (5).

3. An ablution assembly (1) according to Claim 2, **characterized by** the head (9) which has a soft tip in order that inter-toes can contact water.

4. An ablution assembly (1) according to Claim 1 or 2, **characterized by** the head (9) which is demountable.

5. An ablution assembly (1) according to any of the preceding claims, **characterized by** the underlay (6) which comprises at least one protrusion used for stabilizing the foot from inter-toes.

6. An ablution assembly (1) according to any of the preceding claims, **characterized by** the underlay (6) on which there are four protrusions created such that they will correspond to the inter-toes of the foot.

7. An ablution assembly (1) according to any of the preceding claims, **characterized by** at least one sheath (10) wherein the chamber (2), the connection member (3) and the water pipe (4) are placed in order that users can perform an easy transport.

8. An ablution assembly (1) according to any of the preceding claims, **characterized by** the chamber (2) which consists of two parts where the foot is washed and the water generated after the washing exits.

9. An ablution assembly (1) according to any of the preceding claims, **characterized by** a plurality of holes (5) which supply water into the chamber (2).

10. An ablution assembly (1) according Claim 9, **characterized by** the holes (5) which are located in the inner part of the chamber (2) facing the foot.

11. An ablution assembly (1) according to any of the preceding claims, **characterized by** the underlay (6) which comprises a plurality of cavities (7) that are used for the water given to the foot to leave the underlay (6).

Figure 1

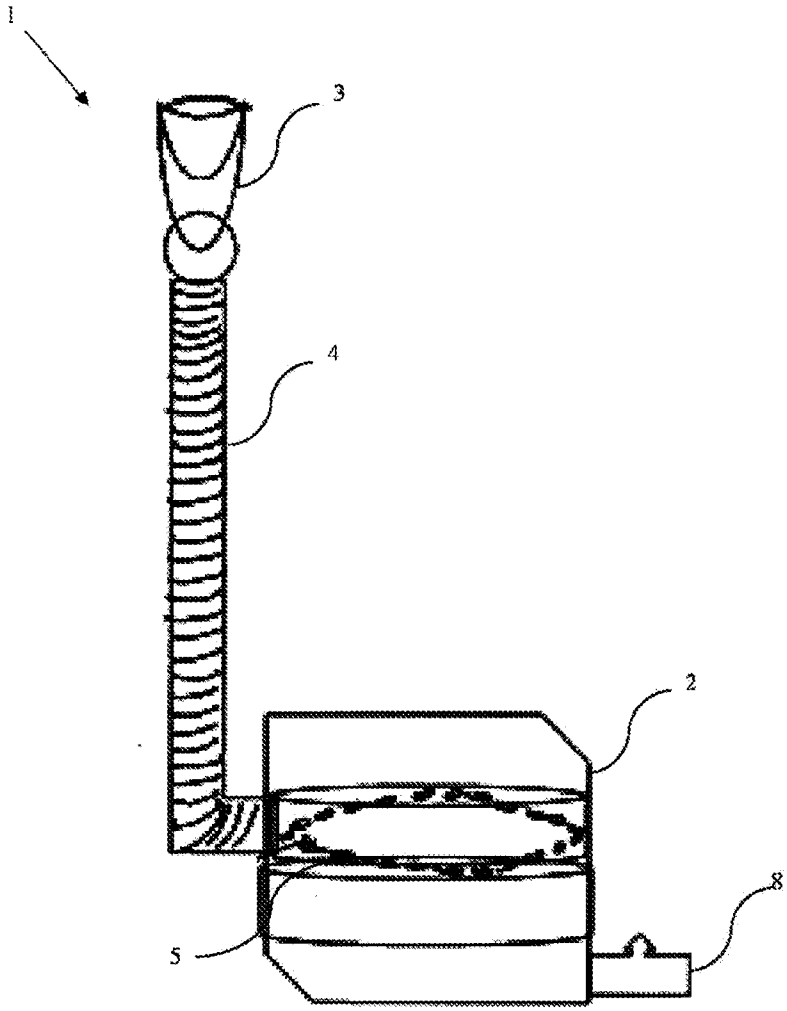
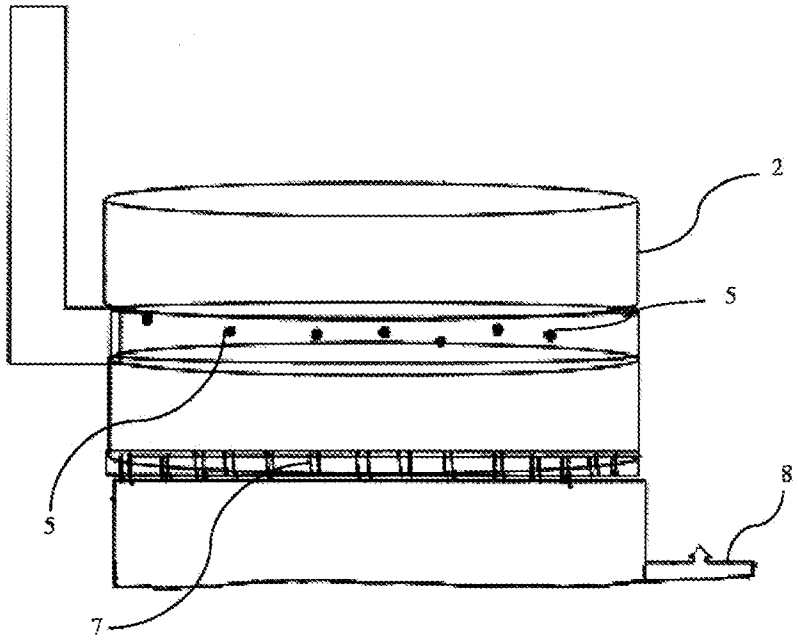


Figure 2



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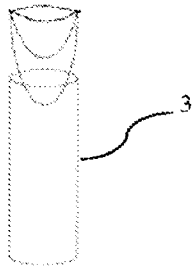


Figure 4

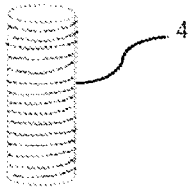


Figure 5

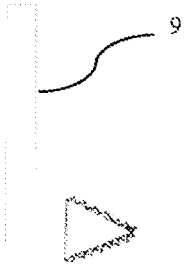


Figure 6

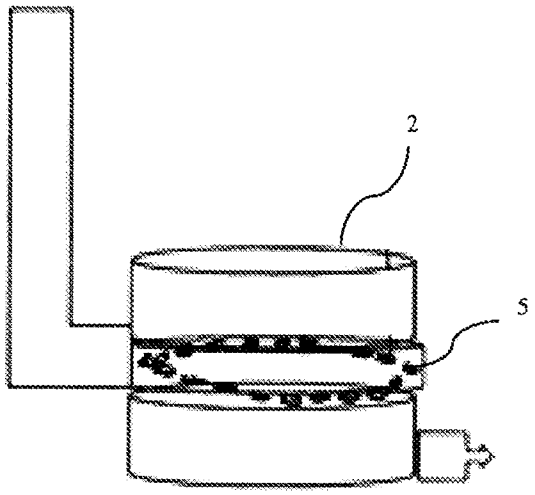


Figure 7

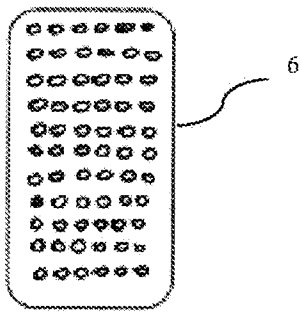


Figure 8

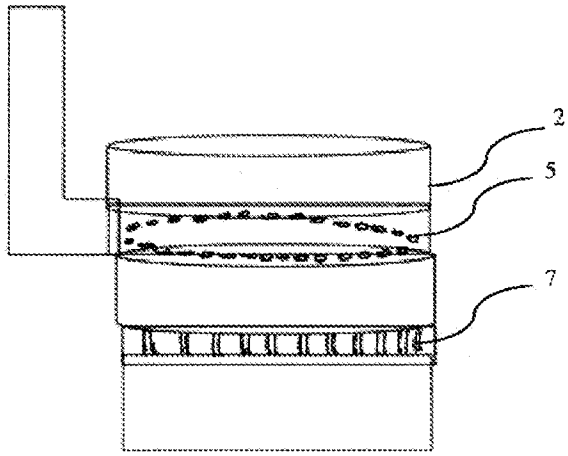
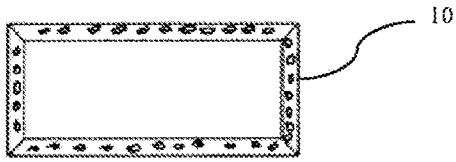


Figure 9



INTERNATIONAL SEARCH REPORT

International application No
PCT/TR2016/000081

A. CLASSIFICATION OF SUBJECT MATTER
INV. A47K3/022 A61H35/00
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
A47K A61H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 184 488 A (BIELICH GUILLERMO J [US]) 22 January 1980 (1980-01-22) column 2, line 36 - line 39 figures 1-4	1-11
X	GB 2 494 720 A (ALHARBI FAHAD [AE]) 20 March 2013 (2013-03-20) figures 1, 2	1-4,7-11
X	JP 2004 208748 A (TOTO LTD) 29 July 2004 (2004-07-29) figures 1-20	1-11
A	US 3 416 178 A (JAMES HORACE A) 17 December 1968 (1968-12-17) column 2, line 71 - column 3, line 3 figure 3	2-4

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents :

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Date of the actual completion of the international search	Date of mailing of the international search report
22 September 2016	30/09/2016

Name and mailing address of the ISA/	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Schikhof, Arnout

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/TR2016/000081

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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GB 2494720 A	20-03-2013	NONE	
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