



(12) **EUROPEAN PATENT APPLICATION**

(43) Date of publication:  
**05.08.2015 Bulletin 2015/32**

(51) Int Cl.:  
**E03C 1/04 (2006.01) E03C 1/046 (2006.01)**

(21) Application number: **14003800.1**

(22) Date of filing: **12.11.2014**

(84) Designated Contracting States:  
**AL AT BE BG CH CY CZ DE DK EE ES FI FR GB  
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO  
PL PT RO RS SE SI SK SM TR**  
Designated Extension States:  
**BA ME**

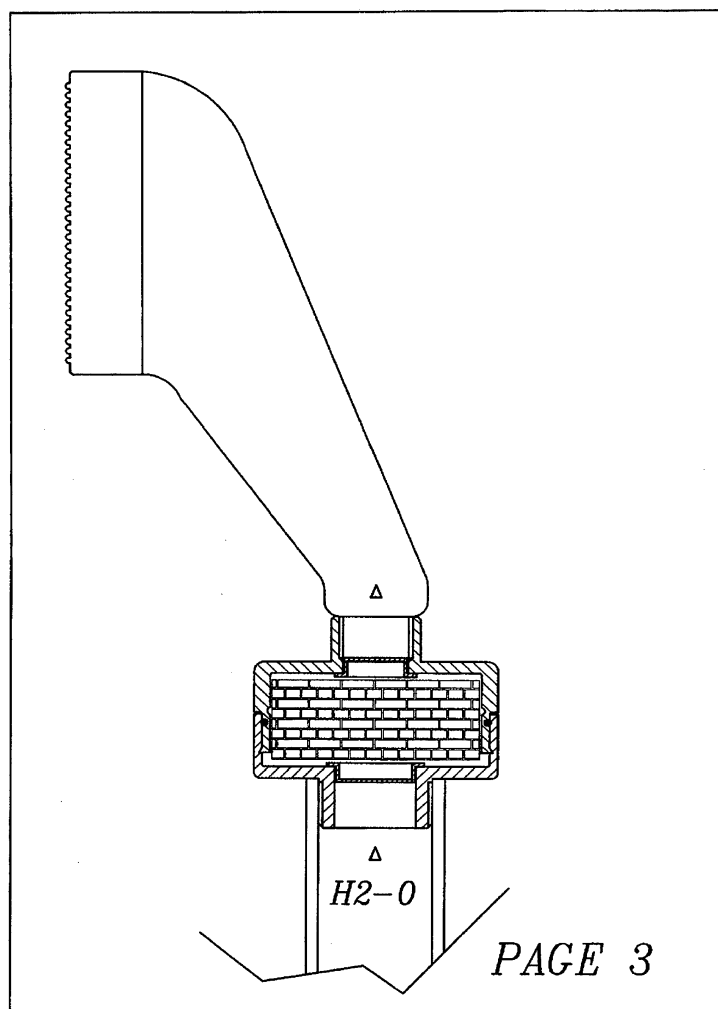
(71) Applicant: **Gariboldi, Alessio Samuele**  
**20020 Arconate (MI) (IT)**

(72) Inventor: **Gariboldi, Alessio Samuele**  
**20020 Arconate (MI) (IT)**

(30) Priority: **31.01.2014 IT DP20140003**

(54) **MALE AND FEMALE HALF-SHELLS FOR AROMATIC PADS OR BALLS**

(57) This device consist of two half-shell transparent, one male and one female with filter, prepared to include a tablet or balls aromatic herbs, use in the field of sanitary and well-being of the person.



*PAGE 3*

## Description

[0001] With this device is possible to take a shower in aroma shower having a very high average cost of a joint shower system, installed in home or in the general public and private structures.

[0002] Alternatively there is also the possibility to choose the models speakers, binding functions, forms and colors, designed to accommodate aromas, they replace the diffuser installed maybe chosen to shape and / or color and / or functions.

[0003] Other alternative exists on the market consist in pods for different method and ease of integration, with structural impossibility of use other pods that last few minutes of shower and difficult to clean and / or check the status of any utilization.

[0004] With this new device i want to add a function to a normal shower and a quality to the well-being of the person without having to replace any part of the system existing shower and alter the aesthetics and functionality of any shower diffuser already installed.

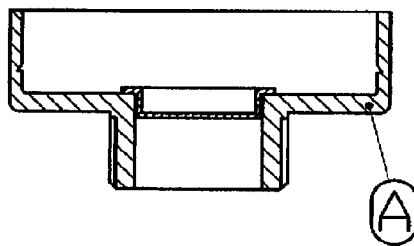
[0005] This device consists of two half shells , one male and one female, including filter, arranged to contain a tablet or spheres aromatic, usable in the field of sanitary and welfare of the person the male half-shell is connected to the water pipelines and the female half-shell can be connected to the different user's choice like downstream of the tube, the diffuser or shower, upstream of the tube, to the fitting fixed to the wall or to the handle tub; you get two final solutions as illustrated (fig. 3 e 4).

[0006] These two half-shells are snapped and containing inside them the tablet or balls aromatic.

## Claims

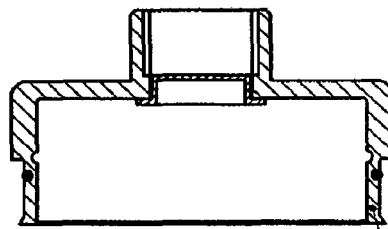
1. The device titled " Half-shell male and female for pads or balls aromatic " is **characterized by** the technique of realization, in detail male and female half-shell, inside which is placed the pad interchangeably. The half-shell with ergonomic grip allows the full opening of the device for the functions referred to in Claims No. 3 and 5;
2. The device is made of materials composition, structure and function , make the device accessible to a wide audience including cost of purchase costs , ease of installation, ease of maintenance, simple operation ;
3. The device as realized , allows the use of pads aromatic , detergents, balsamic ; the device thus structured as easy replacement and interchangeability of the pads, though not exhausted. The simplicity of opening the device as indicated in claims 1 and 2, which involves the replacement of the pads can be performed by any user, employing a few seconds;

4. The device can be installed in any shower system , without changing the structure of the hydraulic plant. Simplicity of installation does not require masonry interventions , plumbers interventions , or structural interventions, plant engineering , no use domestic and / or industrial tanks , no use containers or filters. The device is particularly suitable for domestic applications;
5. The device, as claimed in claims 1-2-3 , is **characterized by** the practicality of the full aperture of the device for the replacement and the internal cleaning of the device itself. Furthermore, the ergonomic handle facilitates greater the opening operation of the device and facilitates the convenience;
6. The framework established allows instant control of the power state of the pad placed inside. The visual control is facilitated by a small transparent window positioned on the housing of the tablet ;
7. The device consists of two half-shells, is **characterized by** the functionality and simplicity of the operations of internal cleaning for the removal of residues and / or limestone , in order to keep its high functional effectiveness and make always pleasant and optimal user its use in the shower.



*Half-shell male pad with filter*

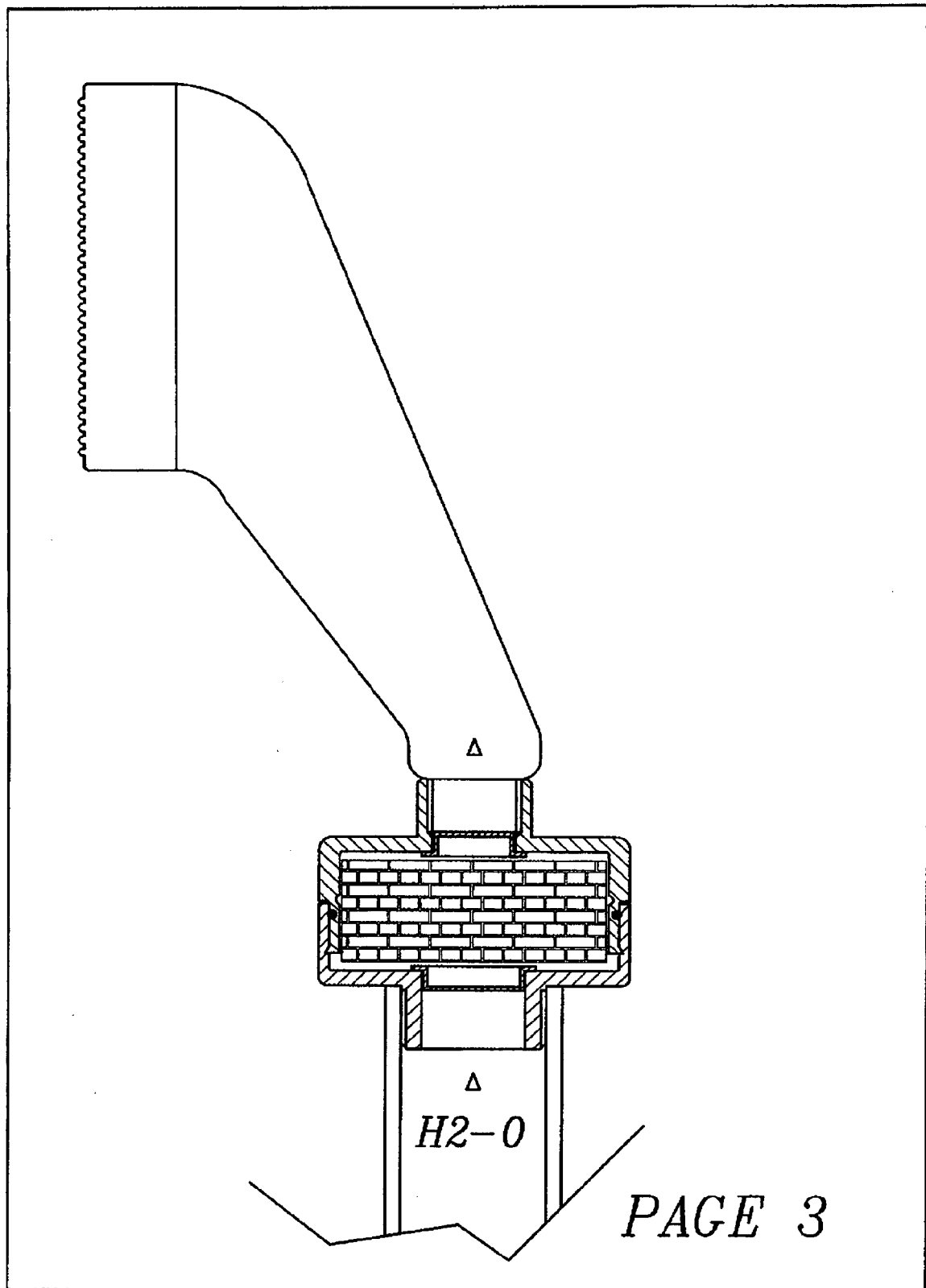
*PAGE 1*

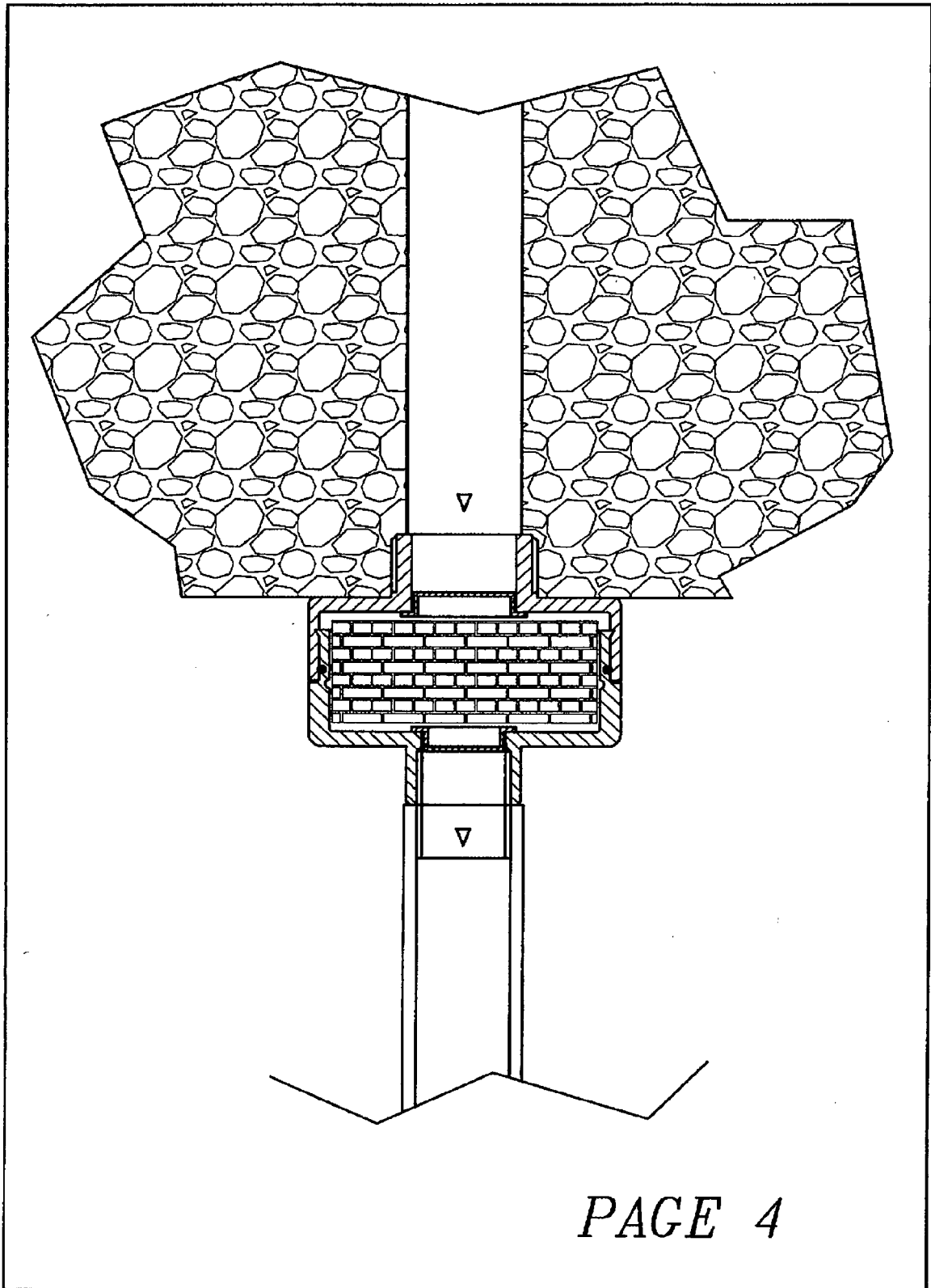


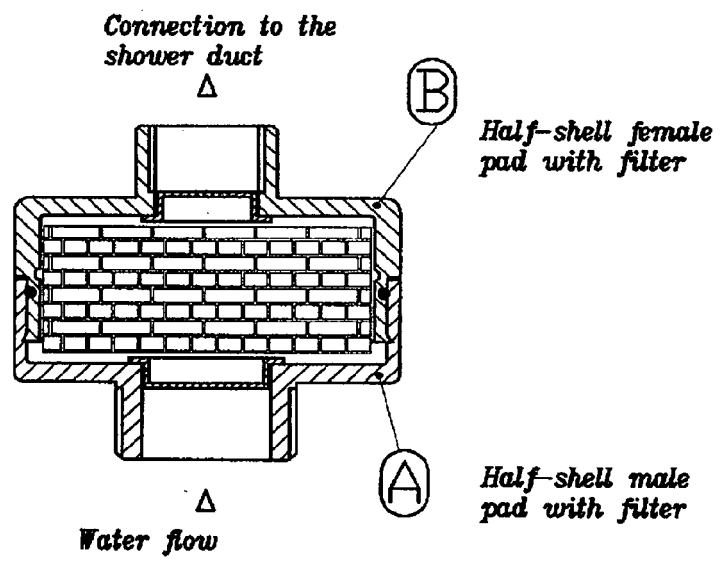
(B)

*Half-shell female pad with filter*

*PAGE 2*







PAGE 5



## EUROPEAN SEARCH REPORT

Application Number  
EP 14 00 3800

5

10

15

20

25

30

35

40

45

50

55

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 6 395 172 B1 (KOIKE HIROYUKI [JP]) 28 May 2002 (2002-05-28)	1	INV. E03C1/04 E03C1/046
Y	* figure 4 *	6	
Y	----- US 1 679 561 A (CANTRELL FRANK J) 7 August 1928 (1928-08-07) * page 1, line 92 *	6	
A	----- US 2002/070293 A1 (TI SHIH TI [TW]) 13 June 2002 (2002-06-13) * figures 5,6 *	1-7	
			TECHNICAL FIELDS SEARCHED (IPC)
			E03C
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 9 June 2015	Examiner Leher, Valentina
CATEGORY OF CITED DOCUMENTS 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 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			

EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 14 00 3800

5

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

09-06-2015

10

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6395172 B1	28-05-2002	JP 2000051869 A	22-02-2000
		US 6395172 B1	28-05-2002
US 1679561 A	07-08-1928	NONE	
US 2002070293 A1	13-06-2002	NONE	

15

20

25

30

35

40

45

50

55

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82