



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
25.03.2015 Bulletin 2015/13

(51) Int Cl.:
A47K 5/12 (2006.01) **B05B 7/00 (2006.01)**
B05B 7/04 (2006.01) **B05B 7/12 (2006.01)**

(43) Date of publication A2:
14.01.2015 Bulletin 2015/03

(21) Application number: **14173560.5**

(22) Date of filing: **23.06.2014**

(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

(30) Priority: **09.07.2013 CN 201320403902 U**

(71) Applicant: **Xiamen Runner Industrial Corporation**
Xiamen 361021 (CN)

(72) Inventors:
• **Chen, Xi-Min**
Xiamen 361021 (CN)
• **Peng, Ke-Sheng**
Xiamen 361021 (CN)
• **Liao, Li-Zhong**
Xiamen 361021 (CN)

(74) Representative: **Lang, Christian**
LangPatent
Anwaltskanzlei IP Law Firm
Rosenheimer Strasse 139
81671 München (DE)

(54) **Foam soap dispenser capable of adjusting the amount of air**

(57) A foam soap dispenser capable of adjusting the amount of air includes a pump, a piston rod, a valve seat sheathed on the piston rod, a feed pipe coupled to the pump, a feed check valve for feeding a foam soap and a discharge check valve installed in the pump, an air-liquid mixing chamber formed between the feed check valve and the discharge check valve, an air-intake pipe communicated with an air-liquid mixing chamber, and an air-intake hole formed on the air-intake pipe that connects the air-liquid mixing chamber. The air-intake pipe includes an air-intake check valve, a screw sleeve and an air adjusting screw rod. The screw sleeve is fixed to the air-intake pipe, and the air adjusting screw rod is fixed into the screw sleeve and passed through a through hole of the screw rod of the check valve to insert the screw rod into the air-intake hole.

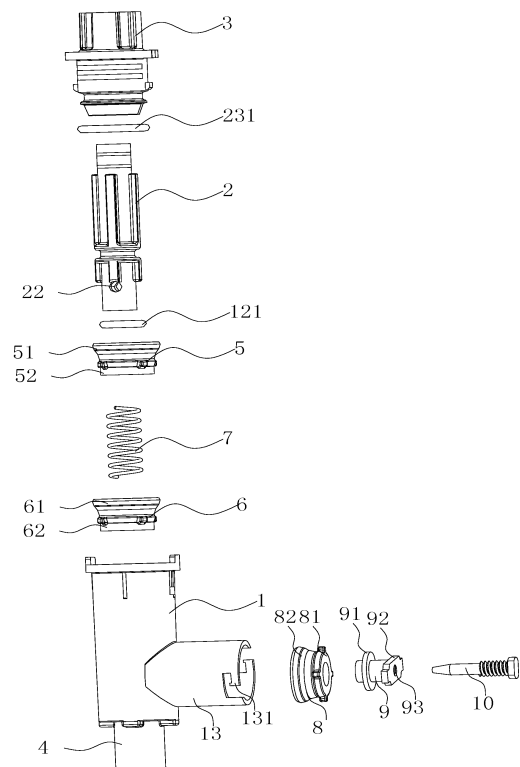


FIG. 1



EUROPEAN SEARCH REPORT

Application Number
EP 14 17 3560

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	WO 2011/157975 A1 (BRIGHT INNOVATIONS LTD [GB]; BUNOZ ETIENNE [GB]; ROSSALL JEREMY [GB];) 22 December 2011 (2011-12-22) * the whole document *	1-9	INV. A47K5/12 B05B7/00 B05B7/04 B05B7/12
A	GB 1 390 138 A (APPLIED CHEM PTY LTD) 9 April 1975 (1975-04-09) * page 3, lines 1-9; figure 2 *	1-9	
A	JP H09 173922 A (YOSHINO KOGYOSHO CO LTD) 8 July 1997 (1997-07-08) * the whole document *	1-9	
			TECHNICAL FIELDS SEARCHED (IPC)
			B05B A47K
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 13 February 2015	Examiner Schork, Willi
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			

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

EP 14 17 3560

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.

13-02-2015

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2011157975 A1	22-12-2011	CN 103118797 A	22-05-2013
		EP 2582467 A1	24-04-2013
		US 2013315031 A1	28-11-2013
		WO 2011157975 A1	22-12-2011

GB 1390138 A	09-04-1975	BE 785428 A1	16-10-1972
		CA 967147 A1	06-05-1975
		DE 2231141 A1	11-01-1973
		FR 2143503 A1	02-02-1973
		GB 1390138 A	09-04-1975
		JP S4849264 A	11-07-1973
		NL 7208700 A	28-12-1972
		US 3823727 A	16-07-1974

JP H09173922 A	08-07-1997	JP 3490562 B2	26-01-2004
		JP H09173922 A	08-07-1997

EPO FORM P0459

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