



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
22.03.2017 Bulletin 2017/12

(51) Int Cl.:
A47K 5/12 (2006.01)

(43) Date of publication A2:
02.12.2009 Bulletin 2009/49

(21) Application number: **09161088.1**

(22) Date of filing: **26.05.2009**

(84) Designated Contracting States:
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 SE SI SK TR

(30) Priority: **27.05.2008 JP 2008137965**

(71) Applicant: **Saraya Co., Ltd.**
Osaka-shi
Osaka 546-0013 (JP)

(72) Inventor: **Nishi, Keiichiro**
Osaka Osaka 546-0013 (JP)

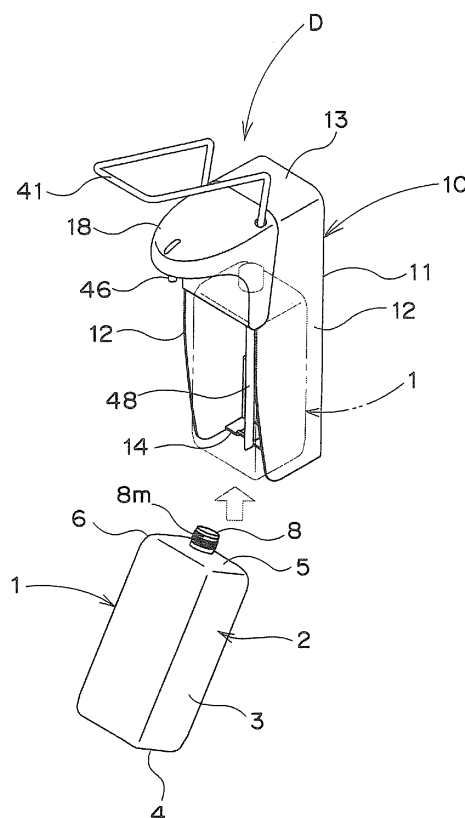
(74) Representative: **dompatent von Kreisler Selting Werner - Partnerschaft von Patent- und Rechtsanwälten mbB**
Deichmannhaus am Dom
Bahnhofsvorplatz 1
50667 Köln (DE)

(54) **Dispenser**

(57) The dispenser according to the present invention comprises

a) a casing body (10) for detachably attaching a container (1); b) a pump device for suctioning the fluid inside the container through a suction pipe (48) and discharging the fluid through a discharge pipe (46); c) a driving mechanism (41) of the pump device; d) a securing mechanism having a cap engaged by the pump device and contacts to an upper surface of a base plate of the holding bracket and an adaptor engaged by the cap from downward and contacts to a lower surface of the base plate, in order to secure the pump device to a holding bracket of the casing body; and e) a bottom wall (14) of the casing body for supporting a bottom (4) of the container attached to the casing body. And, the adaptor has a flexible skirt part close adhered to wall surface of upper portions (5,6) of the container attached to the casing body and urges the container downward, and secures the container between the bottom wall and the skirt part itself.

Fig. 1





EUROPEAN SEARCH REPORT

Application Number
EP 09 16 1088

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 1 599 240 A (LOUIS KOOPERSTEIN) 7 September 1926 (1926-09-07) * the whole document *	1-3	INV. A47K5/12
A	FR 1 233 954 A (DEB CHEMICAL PROPRIETARIES LTD) 13 October 1960 (1960-10-13) * the whole document *	1,2	
A	FR 2 655 624 A1 (ARMANDON ETS [FR]) 14 June 1991 (1991-06-14) * page 2 - page 3; figures *	1	
A	US 4 615 476 A (HOBBS RICHARD E [US] ET AL) 7 October 1986 (1986-10-07) * column 4, line 66 - column 7, line 5; figures 1-8 *	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			A47K B05B
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 10 February 2017	Examiner Fajarnés Jessen, A
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 09 16 1088

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.

10-02-2017

10

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 1599240	A	07-09-1926	NONE	
FR 1233954	A	13-10-1960	NONE	
FR 2655624	A1	14-06-1991	NONE	
US 4615476	A	07-10-1986	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