



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 0 676 339 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
12.03.1997 Bulletin 1997/11

(51) Int. Cl.⁶: **B05B 11/00**

(43) Date of publication A2:
11.10.1995 Bulletin 1995/41

(21) Application number: **95104038.5**

(22) Date of filing: **20.03.1995**

(84) Designated Contracting States:
DE ES FR GB

(30) Priority: **31.03.1994 IT MI940622**

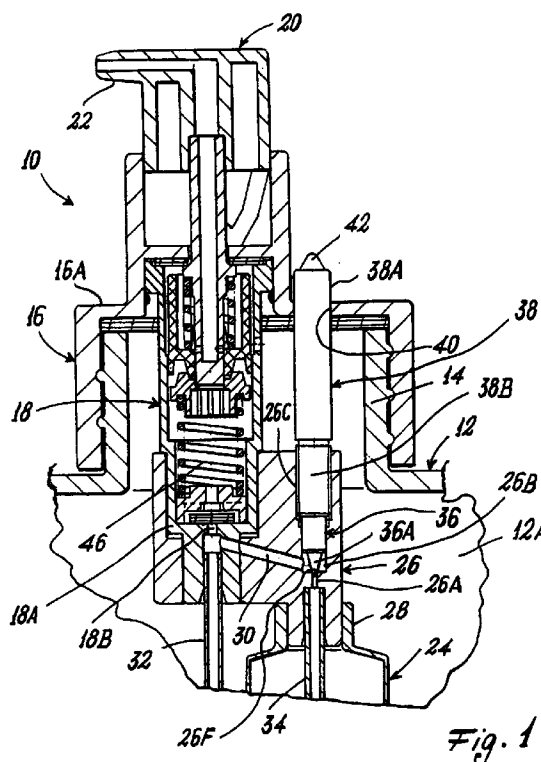
(71) Applicant: **MICYS COMPANY S.r.l.**
I-20052 Monza (Milan) (IT)

(72) Inventor: **Gatti, Angelo**
I-20046 Biassono (Milan) (IT)

(74) Representative: **Giambrocono, Alfonso, Dr. Ing. et al**
Ing. A. Giambrocono & C. S.r.l.
Via Rosolino Pilo 19/B
20129 Milano (IT)

(54) Dispenser for metering two liquid or paste products in the required proportions

(57) The dispenser (10) for liquid or paste products comprises a positive displacement pump (18) for delivering a metered quantity of product withdrawn from a bottle (12) to which the pump (18) is applied, the metered quantity consisting of at least two different liquid and/or paste substances contained in respective compartments (12A, 24) of the bottle (12). A dip tube (18A) is divided into a number of branches (32, 34) equal to the number of different substances, each branch dipping into one of said substances contained in the respective compartment (12A, 24). All the branches (32, 34) of the dip tube with the exception of one (32) comprise a flow regulating valve (36), the valves (36) being operable from the outside.



EP 0 676 339 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 95 10 4038

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	EP-A-0 479 451 (PROCTOR RUDY ROY) 8 April 1992 * column 13, line 26 - column 14, line 2; figures 19-21 *	1	B05B11/00
A	US-A-5 009 342 (LAWRENCE RONALD L ET AL) 23 April 1991 * column 5, line 53 - column 7, line 6; figures 5-9 *	1	
A	DE-A-29 40 564 (HENKEL KGAA) 16 April 1981 * page 6, line 3 - page 7, line 8; figure 1 *	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6) B05B B65D
Place of search MUNICH		Date of completion of the search 16 December 1996	Examiner Innecken, 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 (P4/C01)