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17.08.88 Bulletin 88/33(71) Applicant: **W.R. GRACE & CO.**
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J.A.KEMP & CO. 14, South Square Gray's Inn
London WC1R 5EU(GB)(54) **Burette.**

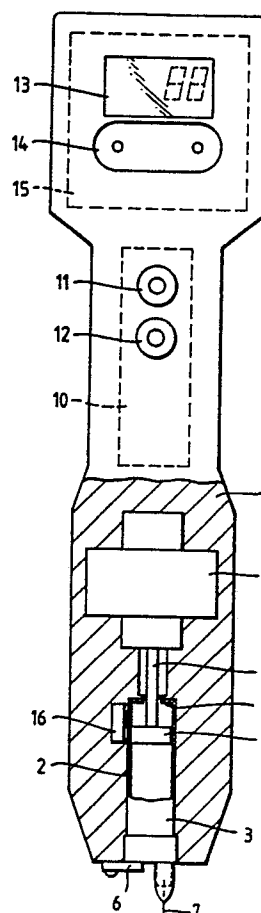
(57) The invention provides a burette having a body 1 adapted to receive at one end a releasable reagent container 3 having a removable end fitting with a cannula 7 such that the cannula 7 ruptures a self-re-sealing diaphragm of the reagent container 3 when the end fitting is mounted on the reagent container 3, and that the diaphragm is allowed to re-seal when the end fitting is removed.

The burette also includes an electric linear actuator comprising a stepping motor 8 and a reciprocable drive shaft 9, and includes a re-chargeable battery 10 with power to the stepping motor 8 controlled by a push button 11.

A further push button 12 re-sets a digital display means 13.

An interface socket 14 allows the burette to be connected to an external controller such as a micro-computer, and may serve as a power input connector for battery charging.

Fig.1.



EP 0 250 243 A3



EP 87 30 5422

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.4)
A	US-A-4 399 712 (Y. OSHIKUBO et al.) * Column 3, lines 35-46; column 4, lines 3-31; column 5, lines 5-64; column 11, lines 27-43; figures 1,3; claims 1,4 *	1,5	B 01 L 3/02
A,D	EP-A-0 152 120 (RAININ INSTRUMENTS CO. INC.) * Page 11, lines 14-25; page 13, line 32 - page 14, line 35; page 15, lines 20-31; page 17, lines 22-32; page 19, line 19 - page 20, line 9; page 28, lines 18-24; figures 1c,1f,2; claims 1,2,7,9,12 *	1,5,6,10	
A	US-A-4 593 837 (R.F. JAKUBOWICZ) * Column 4, line 47 - column 5, line 45; figures 1,2,7,8 *	1,5,9,10	
A	US-A-4 459 997 (W. SARSTEDT) * Column 5, line 66 - column 6, line 65; figures 1,2; claims 1,8,9 *	3,4	TECHNICAL FIELDS SEARCHED (Int. Cl.4)
A	US-A-4 041 995 (R.L. COLUMBUS) * Column 10, lines 39-63; column 12, lines 9-43; column 15, lines 38-44; figures 1,9 *	1,5,9,10	B 01 L 3 G 01 N 1 B 01 L 11 G 01 N 35
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 09-05-1988	Examiner FORMBY N.M.
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			