

EUROPEAN PATENT APPLICATION

Application number: **88109707.5**

Int. Cl.⁵: **B01L 3/14, G01N 21/78, G01N 33/48**

Date of filing: **17.06.88**

Priority: **15.03.88 IT 19788**

Date of publication of application:
20.09.89 Bulletin 89/38

Designated Contracting States:
DE ES FR GB IT

Date of deferred publication of the search report:
29.08.90 Bulletin 90/35

Applicant: **FINBIOMEDICA S.r.l.**
Via Mestre, 19/D,
I-20132 Milan(IT)

Inventor: **Vicario, Guido**
Piazza Giulio Cesare, 14
I-20145 Milan(IT)

Representative: **Dr. Ing. A. Racheli & C.**
Viale San Michele del Carso, 4
I-20144 Milano(IT)

Device for carrying out photometric and spectrophotometric determinations and chemical microreactions and related procedure.

The proposed device consists of a capillary tube (2, 2') with a microcell (3, 3') above it, integral with the tube and having parallel transparent surfaces. The capillary tube (2, 2') may be equipped with a micropiston (4) that can be inserted at its base, to push up the liquid contained in the capillary tube (2, 2') and introduce the desired amount into the microcell. The microcell (3") may be divided into a narrower lower chamber (31) and a wider upper chamber (32); a container (37), with a suitable chemical reagent, the bottom of which (39) can be pierced or cut, may be placed inside said lower chamber. It is also possible to identify the microcell with a label (42) that can be read by a scanner contained in the analyzer and may also carry information on the analysis parameters.

The related sampling and analysis procedure is also described.

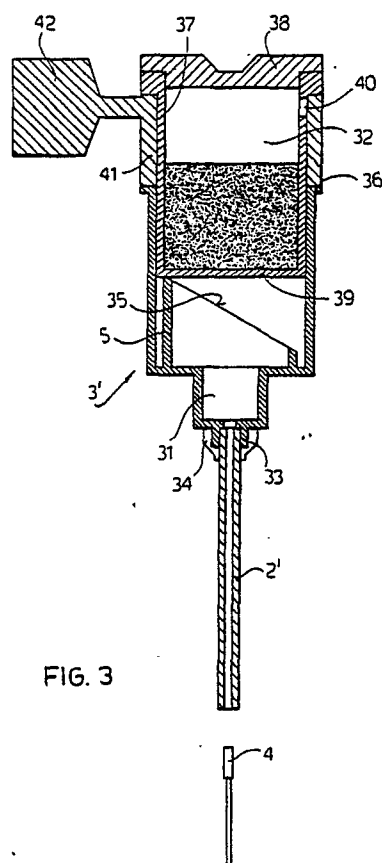


FIG. 3



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-3 572 952 (ANTHON) * Figures 12,13; column 1, lines 18-31; column 2, lines 72-75; column 3, lines 37-39 *	1,8	B 01 L 3/14 G 01 N 21/78 G 01 N 33/48
A	US-A-3 263 554 (PICKELS) * Figures 1,5; column 2, lines 12-17; column 2, lines 17-38 *	1,8	
A	US-A-3 582 222 (HOBLIK) * Figure 2; column 1, lines 1-13; column 2, lines 8-13 *	1,8	
A	US-A-3 524 709 (HRDINA) * Figure 8; column 1, lines 30-38; column 3, lines 53-56 *	2	
A	FR-A-2 245 947 (CARLO ERBA S.p.A.) * Figure 2; page 1, lines 28-32 *	3,9	
A	US-A-2 655 152 (TURNER) * Figure 1; column 1, lines 1-10; column 3, lines 6-16 *	6,7	TECHNICAL FIELDS SEARCHED (Int. Cl.4)
A	EP-A-0 152 610 (EPPENDORF GERÄTEBAU) * Figure 1; page 1, paragraph 2; page 2, line 28 - page 3, line 8 *	6,10	G 01 N B 01 L A 61 B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 08-06-1990	Examiner ZINNGREBE U.
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			