



(1) Publication number:

0 351 761 A3

(12)

EUROPEAN PATENT APPLICATION

21) Application number: 89113095.7

(51) Int. Cl.⁵: **B01L** 3/02, G01N 1/10

22) Date of filing: 17.07.89

(30) Priority: 18.07.88 US 220718

Date of publication of application:24.01.90 Bulletin 90/04

Designated Contracting States:
DE FR GB IT NL

Date of deferred publication of the search report:
 13.02.91 Bulletin 91/07

71 Applicant: THE PERKIN-ELMER CORPORATION 761 Main Avenue Norwalk Connecticut 06859-0181(US)

Inventor: Ryno, Perry M. 1403 Bradley Court Glendorea, CA 91740(US) Inventor: Evans, Leigh J. 2945 N. Garey Ave. - No. 4 Pomona, CA 91767(US)

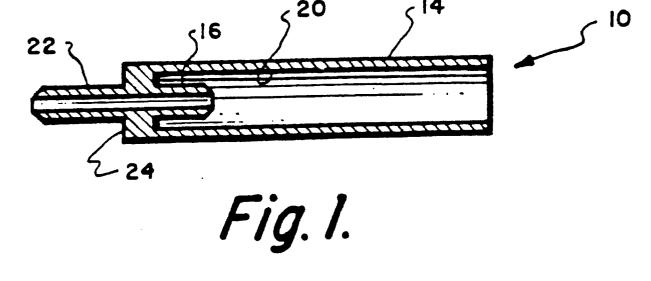
Representative: Patentanwälte Grünecker, Kinkeldey, Stockmair & Partner Maximilianstrasse 58 D-8000 München 22(DE)

54) Sample injector.

© A disposable sample tip (10) to provide a liquid sample of a predetermined volume and a plunger type injector (12) to introduce the sample into a spectrometer for analysis. The injector (12) is provided with an anti-suction means (104) so that the

sample will not be withdrawn from the sample tip (10) in the event the sample tip (10) is filled before the injector (12) is made ready to introduce the sample into the spectrometer.







EUROPEAN SEARCH REPORT

EP 89 11 3095

DOCUMENTS CONSIDERED TO BE RELEVANT					
ategory	Citation of document with	n indication, where appropriate, vant passages	Rete	evant claim	CLASSIFICATION OF THE APPLICATION (Int. CI.5)
Y	US-A-3 334 788 (C.H. HAN * Column 5, lines 16-37; figu		1		B 01 L 3/02 G 01 N 1/10
A Y	EP-A-0 232 517 (GLASGE)		J) 7		
Α	* Page 11, line 27 - page 13 - FR-A-2 447 216 (KOMMAN OSMO A. SUOVANIEMI)		ΓE 1		
Α	* Page 4, lines 15-34 * - EP-A-0 082 263 (THE PEF	 RKIN ELMER CORP.)	10		
	* Abstract; figure 1 *	. -			
					TECHNICAL FIELDS SEARCHED (int. Cl.5)
					B 01 L 3/00 G 01 N 1/00
	The present search report has I	been drawn up for all claims			
	Place of search Date of complet		search		Examiner
X:	The Hague CATEGORY OF CITED DOCK particularly relevant if taken alone particularly relevant if combined with		E: earlier pate the filing da D: document c	te ited in the	
document of the same catagory A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention			L: document cited for other reasons &: member of the same patent family, corresponding document		