#### (12)

### **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3: 23.01.2002 Bulletin 2002/04

(51) Int Cl.7: **B01F 13/08** 

(43) Date of publication A2: 12.01.2000 Bulletin 2000/02

(21) Application number: 99500114.6

(22) Date of filing: 06.07.1999

(84) Designated Contracting States:

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Designated Extension States:

AL LT LV MK RO SI

(30) Priority: 09.07.1998 ES 9801833

(71) Applicants:

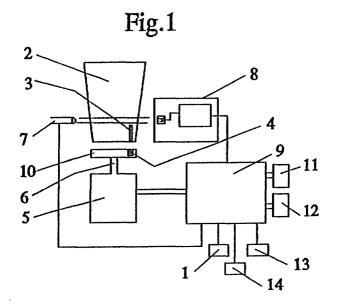
 Ral Tecnica para el Laboratorio, S.A. 08770 San Juan Despi (ES)

- Life Science Technologies Ltd. 08770 San Juan Despi (ES)
- (72) Inventors:
  - Gallego Gutierrez, Adolfo 08970 San Juan Despi (ES)
  - Schnabel, Steffen 08970 San Juan Despi (ES)
- (74) Representative: Marques Alos, Fernando Tuset, 34 08006 Barcelona (ES)

### (54) Improved agitator device

(57) "IMPROVED AGITATOR DEVICE", of the type used in analysis laboratories for the measurement of times of formation of coagulation in studies of blood haemostasia, which incorporates within it a magnetised agitator bar (3) in a basically cylindrical form, characterised essentially because the cylindrical magnetised bar (3) is actioned by a magnet (4) which is located at one side of the interior of a support (10) on which the receptacle

(2) is placed, the said magnet (4) presenting a vertical orientation of the magnetic poles, which means that, through the magnetic field, the magnetised bar (3) is positioned vertically, comprising a motor (5) on the shaft of which (6) the support (10) is fixed, which incorporates laterally within it the magnet (4), presenting a motion which causes a circular movement of the bar (3) of the receptacle (2).





# **EUROPEAN SEARCH REPORT**

**Application Number** 

EP 99 50 0114

	DOCUMENTS CONSIDE	RED TO BE RELEVANT			
Category	Citation of document with in of relevant passa	Relevant to claim	CLASSIFICATION APPLICATION		
Y A	US 4 876 069 A (JOCH 24 October 1989 (198 * column 1, line 10 * column 2, line 48 claim 1; figure 4 *	2	B01F13/08		
Y A	GB 2 082 930 A (THOM 17 March 1982 (1982- * page 1, line 3 -	2			
A	US 4 964 728 A (KLO 23 October 1990 (199 column 1, line 17 column 1, line 36 claim 1; figure 1	 TH BERND ET AL) 90-10-23) - line 21 * - line 66 *	1,2		
A	GB 1 235 589 A (BAX 16 June 1971 (1971-( * the whole document		1,2		
A	JP 60 156538 A (IMAN) 16 August 1985 (1985) * the whole document	5-08-16)	1	TECHNICAL FI SEARCHED BO1F GO1N	ELDS (Int.Cl.7)
	The present search report has b	peen drawn up for all claims			
	Place of search	Date of completion of the search	1	Examiner	
	THE HAGUE	26 November 2001	Rea	1 Cabrera,	R
X : part Y : part docr A : tech O : non	ATEGORY OF CITED DOCUMENTS iticularly relevant if taken alone iticularly relevant if combined with another unent of the same category inclogical background newritten disclosure rmediate document	T: theory or principl E: earlier patent do after the filing da D: document cited f L: document cited f &: member of the s document	cument, but publi te in the application or other reasons	shed on, or	

EPO FORM 1503 03.82 (P04C01)

## ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 99 50 0114

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.

26-11-2001

Patent document cited in search report		Publication date		Patent family member(s)		Publication date	
US	4876069	A	24-10-1989	DE DE WO EP JP JP FR	3127560 3145692 8300228 0083617 2046110 58501096 2516658	A1 A1 A1 B T	17-02-1983 26-05-1983 20-01-1983 20-07-1983 12-10-1990 07-07-1983 20-05-1983
GB	2082930	A	17-03-1982	NONE			
US	4964728	A	23-10-1990	ES FR IT	467232 2383444 1111605	A1	16-11-1978 06-10-1978 13-01-1986
GB	1235589	A	16-06-1971	BE DE FR IL JP SE	2011058	A1 A5 A B	01-12-1969 18-12-1969 27-02-1970 10-09-1974 31-05-1975 08-04-1974
JP	60156538	Α	16-08-1985	NONE	000 BOOK BOOK BOOK BOOK BOOK BOOK BOOK B		

FORM P0459

 $\stackrel{\rm O}{\mbox{\tiny L}}$  For more details about this annex : see Official Journal of the European Patent Office, No. 12/82