PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Patent Application of Antonio M. Goncalves, Ph.D.

Attorney Docket: 6056-316 CT2 (207359)

Serial No. Not Yet Assigned

Group Art Unit: Not Yet Assigned

Filed: Herewith

Examiner: Not Yet Assigned

For: AUTOMATED SYSTEM FOR HIGH-THROUGHPUT ELECTROPHORETIC

SEPARATIONS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O.Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, references are identified herein and on the accompanying Form PTO-1449. Copies of the non-US patent references and non-patent references are being provided.

This Information Disclosure Statement is being filed concurrently with the above-referenced application. No certification, petition, or fee are required. 37 C.F.R. §1.97(b)(3).

CERTIFICATE OF MAILING UNDER 37 C.F.R. 1.10

EXPRESS MAIL Mailing Label Number: EV 320480162 US
Date of Deposit: May 2, 2005

I hereby certify that this paper, along with any paper referred to as being attached or enclosed, and/or fee is being deposited with the United States Postal Service, "EXPRESS MAIL - POST OFFICE TO ADDRESSEE" service under 37 C.F.R. 1.10, on the date indicated above, and is addressed to: Commissioner for Patents, Washington, D.C. 20231.

Signature of person mailing paper

Laura M. McNeely

Type or print name of person

U.S. Patents

3,062,731	4,414,073	5,106,477	5,582,702	5,989,400
3,674,678	4,415,418	5,147,522	5,637,202	6,027,628
3,715,295	4,693,804	5,190,629	5,637,203	6,036,831
3,751,357	4,699,680	5,228,970	5,709,788	6,093,296
3,865,712	4,735,697	5,411,657	5,736,022	6,123,821
3,984,298	4,741,814	5,441,104	5,827,418	6,193,868
4,101,401	4,874,490	5,458,760	5,858,189	6,245,206
4,111,784	4,892,639	5,464,521	5,865,974	2001/0037940
4,146,454	4,966,792	5,472,589	5,865,975	6,368,481
4,207,166	5,066,377	5,543,023	5,888,369	6,374,684
4,391,688	5,068,019	5,569,369	5,972,188	6,375,899
6,274,089	6,176,962	5,635,045	6,342,143	6,379,516
5,384,025	6,485,623	6,136,173	5,773,645	6,499,499
6,592,735	4,234,400	6,454,925	5,180,480	6,146,511
6,139,709	1			

Foreign Patents

EP 0134622

JP 02195249A

JP 360154150

JP 2001188061A

Other Documents

"Chemoelectronic Mobilization of Chemical Species in Low-Conductivity Fluids: New Electrokinectic Effect" by Norman Haber, <u>Proc.Natl.Acad.Sci. USA</u>, Vol. 79, pp. 272-276, January 1982.

"Electromolecular Propulsion (EMP): A Rapid, Simple Method for Analyzing Dyes Used in Microscopy", Norman Haber, <u>Biotechnic & Histochemistry</u>, Williams & Wilkins, Vol. 73, No. 2, pp. 59-69, Feb. 3, 1998.

The Examiner is respectfully requested to review the references identified herein and make them of record in the instant application as required by M.P.E.P. §609.

The references listed in this IDS comprises the most pertinent prior art known to applicant and its attorneys as of the date hereof. This IDS should not be construed as a representation that the cited references are material or that no better art exists.

It is requested that the Examiner initial the enclosed duplicate substitute PTO Form 1449, and return one copy to Applicants' undersigned representative with the next action.

Respectfully submitted,

ANTONIO M. GONCALVES, PH. D.

Bv:

Robert E. Cannuscio Registration No. 36,469

DRINKER BIDDLE & REATH LLP

One Logan Square 18th & Cherry Streets

Philadelphia, PA 19103-6996

Tel: (215) 988-3303 Fax: (215) 988-2757

Attorney for Applicant

SUBSTITUTE	E FORM		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			16CT		SERIAL NO. Not Yet Assigned				
					APPLICAN	r: Ant	onio	Gonc	alves			
					FILING DA	TE A	pril	28, 20	005	GROU Assign	JP: Not Yet ned	
			U.S	S. PATENT DOC	UMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NA	ME	ме			SUBCL	ASS	FILING DA (IF APPROPRI	-
***************************************	AA	6,274,089	8/2001	Chow et al.								
	AB	6,176,962	1/2001	Soane et al.								
	AC	5,635,045	6/1997	Alam			-					
	AD	6,342,143	1/2002	Minden								
	AE	5,384,025	1/1995	Blasband		•	<u> </u>					
	AF	6,485,623	11/2002	Anderson								
	AG	6,136,173	10/2000	Anderson et al.								
	AH	5,773,645	6/1998	Hochstrasser								
1 100	AI	6,499,499	12/2002	Dantsker et al.						<u>-</u>		
	AJ	6,592,735	7/2003	Meier et al.		· · · · · · · · · · · · · · · · · · ·						
	AK	4,234,400	11/1980	Kaplan et al.						•		
	AL	6,454,925	9/2002	Nakanishi et al.							1	
	AM	5,180,480	1/1993	Manz			 					
	AN	6,146,511	11/2000	Slater et al.			 				<u> </u>	
	AO	6,139,709	10/2000	Scott	······							
	<u> </u>		FORE	IGN PATENT D	OCUMEN	TS	<u>!</u>		···			······································
		DOCUMENT	DATE		NTRY	CLAS	ss	SUBC	LASS		NSLATION	
AP		NO. JP 02195249A	8/1990	Japan	<u>.</u>					YES		<u>NO</u>
AQ	,	JP 2001188061A	7/2001	Japan						-		+
			,,2001	o apan								-
												<u> </u>
	<u> </u>	THER DOCU	MENTS ((Including Author,	Title, Date	, Pert	inent	Page	s, Etc.	.)		-
EXAMINER				D.	ATE CONSID	ERED						
		f citation considered		ot citation is in conformance	e with MPEP 6	609; Dra	w line t	through	citation			

SUBSTITUTE	E FORM	1 PTO-1449		RTMENT OF COMMERCE ND TRADEMARK OFFICE		OCKET N 16 CT2	io. 2 (207359	SERIAL NO. Not Yet Assigned					
INF	ORM	ATION DIS	CLOSURI	E CITATION					As	signea			
					APPLICANT: Antonio M. Goncalves, Ph.D.								
					FILING DATE Herewith Assign						Yet		
			U	.S. PATENT DOCI	UMENT	'S	1	T *****					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAM	ИЕ		CLASS	SUBCLA	SS FILING I (IF APPROP				
	ВА	3,062,731	11/1962	E.L. Durrum									
	вв	3,674,678	07/1972	Post, Jr. et al.									
	ВС	3,715,295	02/1973	Tocci		 							
	BD	3.751,357	08/1973	S.D. Rains		<u>.</u> .							
	BE	3,865,712	02/1975	Davies									
	BF	3,984,298	10/1976	Haber									
	BG	4,101,401	07/1978	Hoefer									
	вн	4,111,784	09/1978	Dahms									
	BI	4,146,454	03/1979	Haber									
	BJ	4,207,166	06/1980	Dahms		····							
	BK	4,391,688	07/1983	Hamelin	-								
			FOR	EIGN PATENT DO	OCUM	ENTS			,				
		DOCUMENT NO.	DATE	COUNT	RY	CLASS	SUBC		RANSI ES	LATION	NO NO		
BL		EP 0134622	05/1984	Europe									
ВМ		JP360154150	08/1985	Japan				A	BSTR	ACT			
								J	G+-G-				
		OTH)	ER DOCUME	ENTS (Including Author, To on of Chemical Species in L	itle, Date, F ow-Condu	<i>Pertinent I</i> ctivity Flu	ids: New Ele	ectrokinetic	Effect	," Norman	Haber,		
В	N	Proc.Natl. Acad	l.Sci. USA, Vo lar Propulsion	179, pp. 272-276, January (EMP): A Rapid, Simple M	1982 Tethod for A	Analyzing	Dyes Used	in Microsco	ру," N				
B(0	BIOTECHNIC	<u>& HISTOCHE</u>	MISTRY, Williams & Wil	kins, Vol.	73, No. 2,	pp. 59-69, F	eb. 3, 1998	· · · · · ·				
EXAMINER	- Initial	if citation consider	red whether or	D. not citation is in conformanc	ATE CONS			gh citation					
if not in confo	rmance	and not considered	Include copy	of this form with next comm	unication to	applicant							

	SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION														SERIAL NO. Not Yet Assigned		
INI	ORN	/IAI	TION DIS	CLOS	URI	E CIT	ATION	APPLICANT:									
										1. Go	ncal	ves, Ph	.D.				
								FILING DATE Herewith						GROUP Not Yet Assigned			
					U	.S. PA	TENT DOCU	JMENT	`S			·					
EXAMINER INITIAL			DOCUMENT NUMBER		DA [*]	TE		NAME		CLASS		SUBCLASS		FILING D APPROPR			
	C	Ą	4,414,073		11/	1983	Iwata et al.										
	C	3	4,415,418		11/	1983	Turre et al.										
	C		4,693,804			1987	Serwer										
	C	D	4,699,680			1987	Shiraishi et al.										
	C	 E	4,735,697		04/	1988	Burton										
	C	F	4,741,814			05/1988 Mayes et al.											
	C	 G	4,874,490		10/1989 Hochstrasser 01/1990 Sarrine et al.												
	C	H	4,892,639														
	C	[4,966,792		10/1990 Terai et al. 11/1991 Rosenbaum et a 11/1991 Yoshida et al.		Terai et al.										
	C.	ſ	5,066,377				Rosenbaum et a	al.									
	C	K	5,068,019														
				F	OR	EIGN	PATENT DO	CUME	NT	S			· · · · · · · · · · · · · · · · · · ·				
		DO NO	OCUMENT).	DAT	Е		COUNTI	RY	CL	ASS	SUE	BCLASS	TRA YES	ANSLA S	TION	NO	
													<u> </u>			 	
		 OT1	ብድይ ፓርረ	TIME	NTS	(Incl	uding Author,	Title Do	l ite	Portis	l nent	Pages	Etc.)			<u></u>	
			ILK DOC	OIVIE.	1116	· (Incl	aung Humor,	11110, Du	,		.ciii	uges, I	200.)				
EXAMINE	₹					-	DA	ATE CONS	SIDEI	RED						- 2 - 1 - 1 - 1 - 1 - 1	
							on is in conformance				line th	rough citat	ion				

SHEET 4 OF 6

SUBSTITUT	E FOR	м РТО-1449			T OF COMMERCE DEMARK OFFICE	ATTY. DOG 6056-310	CKET NO. 6 CT2 (20	7359)	SERIAL NO. Not Yet Assigned		
IN	FORN	ATION DIS	CLOSURI	E CITA	ATION						
						APPLICAN Antonio		alves, Ph.D.			
						FILING DA Herewith			GROUP Not Assigned	Yet	
		-	ι	J.S. PA	ATENT DOCI	UMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	DATI	3		NAME	CLASS	SUBCLASS	FILING DATE (APPROPRIATE		
	DA	5,106,477	04/19	992	Coleman						
	DB	5,147,522	09/19	992	Sarrine						
	DC	5,190,629	03/19	993	Sugihara et al.			_		_	
	DD	5,228,970	07/19	993	Foley					-	
	DE	5,411,657	05/19	995	Leka						
	DF	5,441,104	08/19	995	Ehr et al.	. ,					
	DG	5,458,760	10/19	995	Kozulic						
	DH	5,464,521	11/19	995	Bellon						
	DI	5,472,589	12/19	995	Jacobs						
	DJ	5,543,023	08/19	996	Lugojan	· · · · ·					
	DK	5,569,369	10/1		Leffler et al.	د نها ۳۰ پیدار و پیدا					
			FOR	EIGN	PATENT DO	OCUMEN	TS	1			
	`	DOCUMENT NO.	DATE		COUNT	RY	CLASS	SUBCLASS	TRANSLATION YES	NO	
					<u> </u>						
		THER DOC	UMENT	S (Incl	uding Author,	Title, Date	ı e, Pertinen	t Pages, Etc	. <i>)</i>	<u>. </u>	
EXAMINER					D	ATE CONSIE	ERED				
					ion is in conformanc			through citation			

SHEET 5 OF 6

										E1 5 OF	<u> </u>	
SUBSTITUTI	E FORM	1 PTO-1449		RTMENT OF COMMER ND TRADEMARK OFFI							signed	
INI	FORM	IATION DISC	CLOSURE	ECITATION								
									_		_	
					APPLICAN Antonio		calve	es. Ph.D.				
									- 1	ROUP Not Y	et	
		·			FILING DA	те Нег	ewith	1	A	Assigned		
			U	.S. PATENT DO	CUMENTS					,		
EXAMINER INITIAL		DOCUMENT DATE NUMBER			NAME	CL.	ASS	SUBCLAS	S	FILING DAT		
	EA	5,582,702	12/1996	6 Cabilly et a	1.	_	, ten					
	ЕВ	5,637,202	06/1997	7 Harrington	et al.							
	EC	5,637,203	06/1997	7 Sarrine								
	ED	5,709,788	01/1998	Chen								
	EE	5,736,022	04/1998	3 Axelsson			,					
	EF	5,827,418	10/1998	Haven et al	•							
	EG	5,858,189	01/1999) Williams								
	ЕН	5,865,974	02/1999	Cabilly et a	1.			-				
	DI	5,865,975	02/1999	Bishop							-	
	EJ	5,888,369	03/1999	Tippins et a	ıl.			_				
	EK	5,972,188	10/1999	Rice et al.								
			F(OREIGN PATENT I	OCUMENTS	3		174,0			~~~	
		DOCUMENT NO.	DATE	cour	NTRY	CLASS	st	JBCLASS	TRA YES	<u>NSLATION</u>	NO	
		THE DOO	TIMENTE	Cooleding And	" Title Det	n Panti-	lare	Dagas Etc	<u> </u>			
		THER DOC	UNIENTS	(Including Autho	r, 1111e, Date	e, Feriir	ent I	ages, Etc.	.)			
										·		
				1								
EXAMINER		•			DATE CONSII	DERED					:	
												
EXAMINER:	Initial	if citation considered	ed, whether or	not citation is in conformation of this form with next con	ance with MPEP	609; Draw	line th	rough citation				
	mance	and not considered.	copy									

SUBSTITUT	E FOR	M PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE								SERIAL NO. Not Yet Assigned		
IN	FORI	MATION DIS	CLOSUR	E CITA	TION				·					
						APPLICANT: Antonio M. Goncalves, Ph.D.								
						FILING DA	TE Herev	with		- 1	ROUP Not Y Assigned	et		
			ι	J.S. PA	TENT DOCU	JMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE			NAME	CLAS	SS	SUBCLAS	s	FILING DAT			
	FA	5,989,400	11/199	9	Islam	47-11-11								
	FB	6,027,628	02/200	0	Yamamura et	al.								
	FC	6,036,831	03/200	0	Bishop									
	FD	6,093,296	07/200	0	Soane et al.									
	FE	6,123,821	09/200	0	Anderson et al	l								
	FF	6,193,868	02/200	1	Hsu									
	FG	6,245,206	06/200	1	Anderson et al	l .								
	FH	2001/003794	11/200	1	Shih et al.									
	FI	6,368,481	04/200	04/2002 Sowa et al.					-					
	FJ	6,374,684	04/200	2	Dority									
	FK	6,375,899	04/200	2	Ackley et al.	Ackley et al.								
	FL	6,379,516	04/200	2	Cabilly et al.									
			F	OREIGN	PATENT DO	CUMENTS	T	T						
		DOCUMENT NO.	DATE		COUNTE	RY	CLASS	SUI	BCLASS	TRA YES	NSLATION	NO		
								-						
L		OTHER DOC	CUMENTS	S (Inclu	ding Author,	Title, Date	 e, Pertine	nt Po	ages, Etc.)				
			₽ 11			•				·····				
EXAMINER					DA	ATE CONSID	ERED							
EXAMINER:	: Initial	if citation considered	ed, whether or	not citation	n is in conformance	e with MPEP 6	509; Draw lin	e thro	ugh citation					