Mail Stop: Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450	RECORDATION FORM PATENTS		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office		
Alexandria, VA 22313-1450		Att	orney Docket No.	<u>151937</u>	
Please record the attached document.  Total number of pages including cover sh	eet, attachments, and docum	ent: <u>5</u>		•	
Name of conveying party(ies):     Christopher P. STEIN     Seffrey S. LOUIS     Rick W. WALKER     Evan D SHAPIRO     Aaron R FERBER     Rodney H MONSON     John STARK     Ross LOCKWOOD     Additional name(s) of conveying street in the	IMAN	LIFEL One Pi	d address of receivi INE SCIENTIFI erce Place, Suite Illinois 60143	C, INC.	
3. A. Nature of conveyance:		B, Addition	al name(s) & addrc	ss(cs) attached? /cs 🗵 No	
☑ Assignment □	] Morger				
Security Agreement	Change of Name				
Other					
B. Execution Date: (1), (7)- Ju (2)- February 20, 2013; (3)- Fe (5), (6), (8)- July 2, 2012	ly 03, 2012; Ebruary 19, 2013; (4),				
4. A. Patent Application No.(s) 13/5	545,060	B. Patent N	o.(s)	•	
	Additional numbers attac	thed? 🗌 Yes 🛭 No	•		
C. Title of Application: <u>PERF</u> <u>BUB</u>	USION APPARATUS V BLE TRAP	WITH REDUCED	PRESSURE FL	UCTUATIONS, AND	
Name and address of party to whom concerning document should be man	correspondence led:	6. Total number	of applications and	patents involved: 1	
Name: <u>William P. Berridge</u>	_			count No. 15-0461 the he amount of \$40.00.	
Address: OLIFF & BERRIDG P.O. Box 3208 Alexandria, VA 223 Phone Number: 703- Fax Number: 703-8	50 320-4850 836-6400	8. Credit any ove deposit accour	erpayment or charge at number 15-0461.	any underpayment to	
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9. Statement and signature. To the best of my knowledge and be original document.    Company   Company	lief, the foregoing informatio			py is a true copy of the	
Tina J. Yang Registration No. 18,8	38	Date:	March 20, 2013 <b>PA</b> 7	TENT	

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## WORLDWIDE ASSIGNMENT

	Insert	(1)	Chastopher P. STEINMAN	121	Jeffrey S. (OURS	
( i -8 )	Name(s)	(3)	RICK W WALKER	(4)	Evan David SHAPRO	
	of laventor(s)	181	Auron Randoll PERBER	(A)	Rodney Flat MONSON	
		171	John STARK	(8)	Ross LOCKWOOD	
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(10)	insert Address of	(10)	One Pierce Place, Sinje 475W	** ************************************	- WHATE	
, .	Assignee		leasea. Illimois 60143		2000	
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	•	(13	Christopher P. STEINMAN	(2)		y 5. LOUIS		
A\	Insert	(1) (3)	Rick W. WALKER	(4)		David STAPIR	<del>-                                    </del>	<del></del>
(1-8)	Name(s)	-	Aaron Randall FERBER	(6)		ey Hal MONSO	-	
	of Inventor(8)	(5) (=)		(\$)		LOCKWOOD		
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	Insert Name of		does assign, transfer and set ever t	9				
(9)	Assignee	(9)	One Pierce Place, Suite 475 W					
(0)	Insert Address of Assignee	(10)	· Itasca, Illinois 60143					
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## WORLDWIDE ASSIGNMENT

	Inserc	(1)	Christopher P. STEINMAN	(2)	Jeffrey S. LOUIS
(1-8)	Name(s)	(3)	Rick W. WALKER	(4)	Evan David SHAPIRO
	of Inventor(s)	(5)	Anron Randall FERBER	(6)	Rodney Hal MONSON
		(7)	John STARK	(8)	Ross LOCKWOOD
		under			r good and valuable consideration paid to each of the by acknowledged, each undersigned agrees to assign, and
<b>(9)</b>	Insert Name of Assignee	(9)	LIPELINE SCIENTIFIC, INC.		
(10)	Insert Address of Assignee	(10)	One Pierce Place, Suite 475W Itasea, Illinois 60143		
	Insert Identification	right, invent provis includ the pro- cantin	nafler designated as the Assignee) and title and interest for the United States of ion; in all applications for patent or sin ional, non-provisional, divisional, conting any application(s) filed he any courseions of any treaty or convention; at mations, extensions, reissues and recessionstries on the invention, known as	of America as nilar rights on tinuation, inte- atry based the ad in all grant amination cert	eirs, successors, assigns and legal representatives, the entire defined in 35 U.S.C. §100 and for all other countries: In the 1 the invention, said applications including any and all smattenel, confirmation, substitute and reissue application(a), ercon, and including the right to file foreign applications under is, such as Letters Patent, certificates, utility models, lifticates that may be granted in the United States and in pill PRESSURE FLUCTUATIONS, AND BUBBLE
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		for wh	ich the undersigned has (have) execute	ed on applicat	ion for patent in the United States of America on even date
(12)	Insert Date of Signing	Herew	unt or .		
	of Application	(12)	on		
(13)	Alternative	(13)	U.S. Application Number		
	Identification for filed applications	filed			
n.pplicar interfer provision the Unit and all p to conveassignment	2) Each undersigned agree ion or grant for the invention ence.  3) Each undersigned agree one of the International Converted the International Converted the International Converted States and any other countries of the University of the entire interest heroin as ent is binding on Assigner and b) Each undersigned hereb	s to execu- and to co- s to execu- sition for s to perfo- try in whi- rizes and ing from s signed, a id Assign y grants t	properate with the Assignee in every we are all papers and documents and parf Protection of Industrial Property end arm all affirmative acts which may be the the Assignee may file an applicative the Commissioner of the U.S aid application(s) to the said Assignee and that he has not executed, and will on's heirs, successors, assigns and legate firm of OLIFF & BERRIDGE, FLCI	with any into yay possible it omn any act vitimilar agreen necessary to on for patent S. Patent and c, as Assigne- not execute, it all representa- be nower to it	erforence which may be declared concerning any nobtaining evidence and going forward with such which may be necessary in connection with claims or nearts, obtain, maintain or confirm a valid grant to the Assignee in or other grant.  Trademark Office and other issuing authorities to issue any o of the entire laterest, and covenants that he has full right any agreements in conflict herewith, and agrees that this
	In witness whereaf executed	l by the n	ndersigned on the date(s) opposite th	a undarriona	d name/c\
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Deate	•		Inventor Signature		Barbara J Bartlett Notary Public, State of Illinois
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then it si	This assignment should pre- hould be signed before at leas	crably be t two wit	signed before; (a) a Notary Public if nesses who also sign here:	within the U	S.A. (b) a U.S. Consul if outside the U.S.A. If neither,
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Date		<del>00</del>	Witness		The state of the s
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## WORLDWIDE ASSIGNMENT

	Insert	(1)	Christopher P. STEINMAN	(2)	Jeffrey S. LOUIS	
(1-6)	Name(s)	(3)	Rick W. WALKER	(4)	Evan David SHAPIRO	
	of Inventor(s)	(5)	Aaron Randall FERBER	(6)	Rodney Hai MONSON	
		(7)	John STARK	(8)	Ross Lockwood	
		In con	sideration of the sum of one dol ar ( igned, the receipt and sufficiency o does assign, transfer and ser over t	f which are bere	er good and valuable consideration paid to each of the bby auknowledged, each undersigned agrees to assign,	and
(9)	Insert Name of Assignce	(9)	LIFELINE SCIENTIFIC, INC.			
(10)	Insert Address of	(10)	One Pierce Place, Suite 475\V Itasea, Illinois 60143			
	Assignee	right, a invent provis includ the pro- confin	nafter designated as the Assignes) a title and interest for the United State ion; in all applications for patent or ional, non-provisional, divisional, c ional, non-provisional, divisional, c invisions of any treaty or convention mations, extensions, roissued and re- countries on the invention, known a	es of America as similar rights of continuation, into country based the i; and in all grant examination.cer s	eirs, successors, assigns and legal representatives, the saffined in 35 U.S.C. \$100 and for all other countries in the invention, said applications including any and al ernational, confirmation, substitute and release application and including the right to file foreign applications, such as Letters Patent, certificates, utility models, rifficates that may be granted in the United States and	: in the li arion(s), ons unde
(11)	Insert Identification such as Title, Case Number, or Foreign Application Number	(11)	PERFUSION APPARATUS WI	TH REDUCED	PRESSURE FLUCTUATIONS, AND BUBBLE	
			ney Docket No. 151937	,_,		
		for with		cuted an applica	ation for patent in the United States of America on eve	n date
(12)	Insert Date of Signing	Tirki ri as				
	of Application	(12)	an			
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	filed applications	มากา			pplication and/or grant for the invention and also to	
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	In witness whereof, execute	d by the	undersigned on the date(s) opposi	te (be undersign	ned pame(s).	
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then It s	This assignment should pre hould be signed before at lea	ferably st two w	be signed before: (a) a Notary "oub ritnesses who also sign here:	lic if within the	U.S.A. (b) a U.S. Consul if outside the U.S.A. If no	cither,
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