

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PINPOINT MEDICAL LLC	07/01/2011

RECEIVING PARTY DATA

Name:	ARG MEDICAL SOLUTIONS LLC
Street Address:	6136 Frisco Square Blvd.
Internal Address:	Suite 385
City:	Frisco
State/Country:	TEXAS
Postal Code:	75034

PROPERTY NUMBERS Total: 20

Property Type	Number
Patent Number:	5746575
Patent Number:	5863179
Patent Number:	6224829
Patent Number:	6368557
Patent Number:	6379618
Patent Number:	6428747
Patent Number:	6454999
Patent Number:	6503450
Patent Number:	6689315
Patent Number:	6730267
Patent Number:	6773670
Patent Number:	6890316
Patent Number:	6960322
Patent Number:	7022099

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Patent Number:	7022284
Patent Number:	7291124
Patent Number:	7541000
Application Number:	10872733
Application Number:	11224746
Application Number:	11397423

**CORRESPONDENCE DATA**

Fax Number:

*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

Email: kkappelman@acaciares.com

Correspondent Name: Kristy Kappelman

Address Line 1: 2400 Dallas Parkway

Address Line 2: Suite 200

Address Line 4: Plano, TEXAS 75093

NAME OF SUBMITTER:	Kristy Kappelman
Signature:	/kristy kappelman/
Date:	07/01/2013

**Total Attachments: 4**

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## ASSIGNMENT

**WHEREAS, PINPOINT MEDICAL LLC**, a Delaware limited liability company, having a place of business at 32 Anderson Way, Menlo Park, CA 94025 (hereafter, together with any successors, legal representatives or assigns thereof, called "Assignor") is the owner of the entire right, title, and interest and assignee of **U.S. Patent Nos. listed in Exhibit A**;

**AND WHEREAS, ARG MEDICAL SOLUTIONS LLC** a Texas limited liability company having a place of business at 6136 Frisco Square Blvd. Suite 385, Frisco, TX 75034 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said **U.S. Patent Nos. listed in Exhibit A**, and all the inventions therein, and Assignor is willing to enter into such assignment.

**NOW, THEREFORE**, effective on July 7, 2011 and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from ASSIGNEE is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to **U.S. Patent Nos. listed in Exhibit A**, and all patents, patent applications, foreign patents, foreign patent applications, continuations, continuations-in-part, divisionals, extensions, renewals, reissues and re-examinations related to all inventions thereof, including without limitation, all rights to claim priority on the basis thereof, all rights to sue for past, present and future infringement, including the right to collect and receive any damages, royalties, or settlements for such infringements, all rights to sue for injunctive or other equitable relief, and any and all causes of action relating to any of the inventions or discoveries thereof;

**Assignor** hereby covenants that it has full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict with this Assignment;

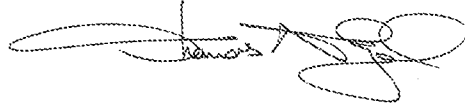
**Assignor** hereby further covenants and agrees that it will communicate to ASSIGNEE any and all facts known to it respecting said patents, and testify in any legal proceeding, sign all lawful papers, execute and deliver all papers and take any actions that may be necessary or desirable to perfect the title to any aforementioned patents and inventions, execute all divisional, continuation, reexamination, reissue and substitute applications, and make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said inventions in all countries.

**FOR USPTO RECORDING**

**PATENT  
REEL: 030722 FRAME: 0557**

IN TESTIMONY WHEREOF, I hereunto set my hand this 1<sup>st</sup> day of July, 2011.

**PINPOINT MEDICAL LLC**  
(Assignor)

A handwritten signature in black ink, appearing to read 'Thomas Afzal', written over a horizontal line.

By: \_\_\_\_\_

Name: Thomas Afzal

Title: Managing Director

**EXHIBIT**

**U.S. PATENTS & APPLICATIONS**

<b>US Patent No.</b>	<b>US Appl. No.</b>	<b>Filing Date</b>	<b>Issue Date</b>	<b>Title</b>
*5746575	08/569,098	1995-12-22	1998-05-05	BLOOD PUMP AS CENTRIFUGAL PUMP
5863179	08/963,591	1997-11-03	1999-01-26	CENTRIFUGAL BLOOD PUMP
*6224829	09/223,423	1998-12-30	2001-05-01	INTEGRATED BLOOD OXYGENATOR AND PUMP SYSTEM HAVING MEANS FOR REDUCING FIBER BREAKAGE
*6368557	09/223,685	1998-12-30	2002-04-09	INTEGRATED BLOOD OXYGENATOR AND PUMP SYSTEM HAVING MEANS FOR REDUCING MANIFOLD FLOODING
*6379618	09/223,676	1998-12-30	2002-04-30	INTEGRATED BLOOD OXYGENATOR AND PUMP SYSTEM HAVING MEANS FOR REDUCING MICROBUBBLE GENERATION
*6428747	09/430,219	1999-10-29	2002-08-06	INTEGRATED EXTRACORPOREAL BLOOD OXYGENATOR, PUMP AND HEAT EXCHANGER SYSTEM
*6454999	09/430,244	1999-10-29	2002-09-24	INTEGRATED BLOOD PUMP AND OXYGENATOR SYSTEM HAVING EXTENDED BLOOD FLOW PATH
*6503450	09/475,467	1999-12-30	2003-01-07	INTEGRATED BLOOD OXYGENATOR AND PUMP SYSTEM
6689315	10/117,964	2002-04-05	2004-02-10	INTEGRATED BLOOD HANDLING SYSTEM HAVING IMPROVED PUMP
6730267	09/780,923	2001-02-09	2004-05-04	INTEGRATED BLOOD HANDLING SYSTEM HAVING ACTIVE GAS REMOVAL SYSTEM AND METHODS OF USE
6773670	10/067,434	2002-02-05	2004-08-10	BLOOD FILTER HAVING A SENSOR FOR ACTIVE GAS REMOVAL AND METHODS OF USE
6890316	10/134,138	2002-04-25	2005-05-10	TUBING SET FOR BLOOD HANDLING SYSTEM AND METHODS OF USE
6960322	10/616,116	2003-07-08	2005-11-01	INTEGRATED BLOOD HANDLING SYSTEM HAVING ACTIVE GAS REMOVAL SYSTEM AND METHODS OF USE
7022099	10/392,441	2003-03-17	2006-04-04	EXTRACORPOREAL BLOOD HANDLING SYSTEM WITH AUTOMATIC FLOW CONTROL AND METHODS OF USE
7022284	10/434,887	2003-05-09	2006-04-04	EXTRACORPOREAL BLOOD HANDLING SYSTEM WITH INTEGRATED HEAT EXCHANGER
7291124	11/123,659	2005-05-06	2007-11-06	TUBING SET FOR BLOOD HANDLING SYSTEM AND METHODS OF USE
7541000	11/236,269	2005-09-26	2009-06-02	MICRO-PROCESSOR CONTROLLED ACTIVE GAS REMOVAL APPARATUS

<b>US Patent No.</b>	<b>US Appl. No.</b>	<b>Filing Date</b>	<b>Issue Date</b>	<b>Title</b>
	*10/872,733	2004-06-21		METHODS OF USE OF A BLOOD FILTER HAVING A SENSOR FOR ACTIVE GAS REMOVAL
	*11/224,746	2005-09-12		EXTRACORPOREAL BLOOD HANDLING SYSTEM WITH AUTOMATIC FLOW CONTROL AND METHODS OF USE
	*11/397,423	2006-04-03		EXTRACORPOREAL BLOOD HANDLING SYSTEM WITH INTEGRATED HEAT EXCHANGER

| \* Denotes expired or abandoned patent or patent application