

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Spire Biomedical, Inc.	12/14/2009
Spire Corporation	12/14/2009

RECEIVING PARTY DATA

Name:	Bard Access Systems, Inc.
Street Address:	605 North 5600 West
City:	Salt Lake City
State/Country:	UTAH
Postal Code:	84116

PROPERTY NUMBERS Total: 11

Property Type	Number
Application Number:	10874298
Application Number:	12048871
Application Number:	12244514
Application Number:	12244544
Application Number:	12244554
Application Number:	12244559
Application Number:	12263141
PCT Number:	US0878551
PCT Number:	US0878560
PCT Number:	US0878566
PCT Number:	US0878571

CORRESPONDENCE DATA

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

501081248

PATENT
REEL: 023877 FRAME: 0617

CH \$440.00 10874298

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ATTORNEY DOCKET NUMBER:

101672.0001

NAME OF SUBMITTER:

Todd W. Wight, Reg. No. 45,218

Total Attachments: 3

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**WORLDWIDE ASSIGNMENT TO
BARD ACCESS SYSTEMS, INC.**

December 14, 2009

For good and valuable consideration, **SPIRE BIOMEDICAL, INC.**, a corporation organized and existing under the laws of Massachusetts, having its principal place of business at One Patriots Park, Bedford, Massachusetts 01730 U.S.A., and **SPIRE CORPORATION**, a corporation organized and existing under the laws of Massachusetts, having its principal place of business at One Patriots Park, Bedford, Massachusetts 01730 U.S.A., (each, individually, an “Assignor” and, collectively, “Assignors”) hereby sell, assign, transfer, and set over to **BARD ACCESS SYSTEMS, INC.**, a corporation, organized and existing under the laws of Utah, having its principal place of business at 605 North 5600 West, Salt Lake City, Utah, 84116 (“Assignee”), its successors, assigns and legal representatives, the entire right, title and interest, in and for the United States and all foreign countries: (i) in and to any and all inventions which are disclosed in the following patent applications:

U.S. Patent Application No. 10/874,298 filed June 9, 2004 for “Splitable Tip Catheter with Bioresorbable Adhesive;

U.S. Patent Application No. 12/048,871 filed March 14, 2008 for “Splitable Tip Catheter with Bioresorbable Adhesive,” a continuation of U.S. Patent Application No. 10/874,298 filed June 9, 2004 for “Splitable Tip Catheter with Bioresorbable Adhesive;”

U.S. Patent Application No. 12/244,514 filed October 2, 2008 for “Manufacture of Split Tip Catheters,” claiming priority of U.S. Provisional Patent Application No. 60/980,633 filed October 17, 2007;

U.S. Patent Application No. 12/244,544 filed October 2, 2008 for “Fusion Manufacture of Multi-Lumen Catheters,” claiming priority of U.S. Provisional Patent Application No. 61/029,023 filed February 15, 2008;

U.S. Patent Application No. 12/244,554 filed October 2, 2008 for “Catheters with Enlarged Arterial Lumens,” claiming priority of U.S. Provisional Patent Application No. 60/980,633 filed October 17, 2007 and U.S. Provisional Patent Application No. 61/029,030 filed February 15, 2008;

U.S. Patent Application No. 12/244,559 filed October 2, 2008 for “Manufacture of Fixed Tip Catheters,” claiming priority of U.S. Provisional Patent Application No. 61/029,051 filed February 15, 2008;

U.S. Application No. 12/263,141 filed October 31, 2008 for “Methods and Apparatus for Inserting Multi-lumen Split-tip Catheters into a Blood Vessel” a continuation of U.S. Patent Application No. 10/445,731 filed May 27, 2003;

International Patent Application No. PCT/US08/78551 filed October 2, 2008 for “Manufacture of Split Tip Catheters,” claiming priority of U.S. Provisional Patent Application No. 60/980,633 filed October 17, 2007;

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BARD ACCESS SYSTEMS, INC.**

International Patent Application No. PCT/US08/78560 filed October 2, 2008 for “Fusion Manufacture of Multi-Lumen Catheters,” claiming priority of U.S. Provisional Patent Application No. 61/029,023 filed February 15, 2008;

International Patent Application No. PCT/US08/78566 filed October 2, 2008 for “Catheters with Enlarged Arterial Lumens,” claiming priority of U.S. Provisional Patent Application No. 60/980,633 filed October 17, 2007 and U.S. Provisional Patent Application No. 61/029,030 filed February 15, 2008; and

International Patent Application No. PCT/US08/78571 filed October 2, 2008 for “Manufacture of Fixed Tip Catheters,” claiming priority of U.S. Provisional Patent Application No. 61/029,051 filed February 15, 2008;

(ii) in and to said applications and any and all non-provisional, divisional, continuing, substitute, renewal, reissue, re-examination, extensions, certificates, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions or to which the benefits of the priority date of any of said applications is or will be claimed; and (iii) in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said inventions including all rights under the International Convention for the Protection of Industrial Property and/or Patent Cooperation Treaty (collectively “Intellectual Property”) to be held and enjoyed by Assignee for its own use and the use of its successors, legal representatives and assigns to the full term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by Assignors, had the assignment not been made, including full and exclusive rights to sue upon and otherwise enforce the Intellectual Property and to recover all past damages and other potential relief arising from infringement of the Intellectual Property assigned by this instrument.

Assignors agree that Assignee may apply for and receive Letters Patent in this or any other countries for said inventions in its own name.

Assignors agree that, at the request of the Assignee and, without charge to but at the expense of said Assignee, Assignors will: (i) carry out in good faith the intent and purpose of this Assignment; (ii) execute forms and documents for all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions; (iii) execute all rightful oaths, assignments, powers of attorney and other papers; (iv) communicate to Assignee all facts known to the undersigned relating to said inventions and the history thereof; and (v) generally do everything possible which Assignee shall consider desirable for aiding in securing and mainlining proper patent protection for said inventions and for vesting title to said inventions, and all applications for patents and all patents on inventions in said Assignee.

Assignors hereby authorize Assignee and its attorney of record to insert on this assignment document, any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office and/or any foreign patent office for recordation of this document.

**WORLDWIDE ASSIGNMENT TO
BARD ACCESS SYSTEMS, INC.**

Assignors represent and warrant to Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Assignors hereby request the Commissioner of Patents to issue any Letters Patent of the United States to Assignee as the Assignee of said inventions and Letters Patent to be issued thereon for the sole use of Assignee, its successors, legal representatives and assigns.

ASSIGNORS:

SPIRE BIOMEDICAL, INC.

By: 

Name: MARK LITTLE

Title: CEO SPIRE BIOMEDICAL

SPIRE CORPORATION

By: 

Name: Christian Delfresne

Title: CFO & Treasurer

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Signature page to Worldwide Assignment to Bard - Patent Applications