502490082 09/10/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------|----------------|
| Randall T. Lashinski | 04/24/2008 |

RECEIVING PARTY DATA

| Name: | Direct Flow Medical, Inc. | |
|-----------------|------------------------------------|--|
| Street Address: | 451 Aviation Boulevard, Suite 107A | |
| City: | Santa Rosa | |
| State/Country: | CALIFORNIA | |
| Postal Code: | 95403 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13369201 |

CORRESPONDENCE DATA

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

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Email: efiling@knobbe.com

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Address Line 4: Irvine, CALIFORNIA 92614

| ATTORNEY DOCKET NUMBER: | DFMED.022C1 | |
|-------------------------|---------------|--|
| NAME OF SUBMITTER: | Agnes Juang | |
| Signature: | /Agnes Juang/ | |
| Date: | 09/10/2013 | |

Total Attachments: 3

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PATENT REEL: 031177 FRAME: 0684

Application No.: 11/874,825 Filing Date: October 18, 2007

PATENT

Client Code: DFMED.022A Page 1

ASSIGNMENT

WHEREAS, I, Randall T. Lashinski, a United States citizen, residing at 675 Pleasant Avenue, Santa Rosa, CA 95403, have invented certain new and useful improvements in a CATHETER GUIDANCE THROUGH A CALCIFIED AORTIC VALVE for which I have filed an application for Letters Patent in the United States, Application No. 11/874,825, filed on October 18, 2007;

AND WHEREAS, Direct Flow Medical, Inc. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 451 Aviation Boulevard, Suite 107A, Santa Rosa, CA 95403, desires to acquire the entire right, title, and interest in and to said improvements and said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said ASSIGNEE. its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under said improvements, and said application including all provisional applications relating thereto (including but not limited to U.S. Provisional Application No(s). 60/862.187, filed October 19, 2006 (respectively if plural applications)), and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND I HEREBY covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

PATENT REEL: 031177 FRAME: 0685

PATENT

Application No.: 11/874,825 Filing Date: October 18, 2007

Client Code: DFMED.022A

Page 2

| IN TESTIMONY | | nto set my hand and seal this day of |
|--|---|--|
| | | |
| | | Randall T. Lashinski |
| STATE OF | } } ss. | |
| COUNTY OF | 33. | |
| personally appeared Ra of satisfactory evidence instrument, and acknow and that by his signatur the person(s) acted, exe | e) to be the person(s) vledged to me that he ex re(s) on the instrument | notary public, onally known to me (or proved to me on the basis whose name(s) is/are subscribed to the within we the same in his authorized capacity(ies), the person(s), or the entity upon behalf of which |
| [SEAL] | | Notary Signature |
| 4532699 111307 | | |

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

| State of California | 1 |
|---|---|
| County of Solom A | } |
| 2004 04 0 0 | DAME BORFT-HOKER WHIRE |
| On HARIL 24, 2000 before me, ME | Here Insert Name and Title of the Officer |
| personally appeared | Name(s) of Signer(s) |
| TABATHA BONETTI-ASKER Commission # 1580821 Notary Public - California Sonoma County My Comm. Expires May 21, 2009 | who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are-subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. |
| Place Notary Seal Above | WITNESS may hand and official seal. Signature about Signature of Notary Public |
| | IONAL ————— |
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