

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3360354

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                          |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                              |
| <b>CONVEYING PARTY DATA</b>   |   |
| <b>Name</b>   | <b>Execution Date</b>                   |
| DJT, LLC  | 12/01/2014                              |
| <b>RECEIVING PARTY DATA</b>   |   |
| <b>Name:</b>  | SHOCKWAVE MEDICAL, INC.                 |
| <b>Street Address:</b>  | 48501 WARM SPRINGS BOULEVARD, SUITE 108 |
| <b>City:</b>  | FREMONT                                 |
| <b>State/Country:</b>   | CALIFORNIA                              |
| <b>Postal Code:</b>   | 94539                                   |
| <b>PROPERTY NUMBERS Total: 1</b>  |   |
| <b>Property Type</b>  | <b>Number</b>                           |
| <b>Application Number:</b>  | 14693155                                |
| <b>CORRESPONDENCE DATA</b>  |   |
| <b>Fax Number:</b>  | (650)494-0792                           |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> |   |
| <b>Phone:</b>   | (415) 268-6003                          |
| <b>Email:</b>   | kcheung@mofo.com                        |
| <b>Correspondent Name:</b>  | MICHAEL A. STALLMAN                     |
| <b>Address Line 1:</b>  | MORRISON & FOERSTER LLP                 |
| <b>Address Line 2:</b>  | 425 MARKET STREET                       |
| <b>Address Line 4:</b>  | SAN FRANCISCO, CALIFORNIA 94105         |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 690262000701                            |
| <b>NAME OF SUBMITTER:</b>   | MICHAEL A. STALLMAN                     |
| <b>SIGNATURE:</b>   | /Michael Stallman/                      |
| <b>DATE SIGNED:</b>   | 05/19/2015                              |
| <b>Total Attachments: 3</b>   |   |
| source=690262800100_Executed_Assignment_DJT_to_Shockwave_to_file#page1.tif  |   |
| source=690262800100_Executed_Assignment_DJT_to_Shockwave_to_file#page2.tif  |   |
| source=690262800100_Executed_Assignment_DJT_to_Shockwave_to_file#page3.tif  |   |

## **ASSIGNMENT**

This Assignment is by:

Limited liability company: DJT, LLC  
Address: 1807 Santa Rita Road, D205, Pleasanton, California 94566  
A limited liability company duly organized under and pursuant to the laws of: Delaware

(referred to in this Assignment as "Assignor"), is the sole and exclusive owner, by assignment, of the U.S. patent applications (hereinafter referred to as "Applications") identified in Exhibit A (attached).

This Assignment is to:

Assignee: SHOCKWAVE MEDICAL, INC.  
Address: 48501 Warm Springs Boulevard, Suite 108, Fremont, California 94539  
A corporation duly organized under and pursuant to the laws of: Delaware

(referred to in this Assignment as "Assignee"), who desires to acquire the entire right, title and interest in, to and under said Applications and the inventions covered thereby.

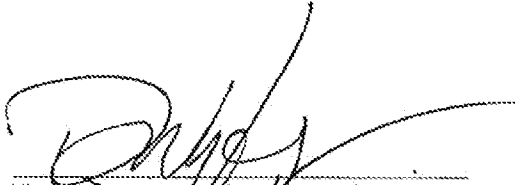
For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged,

1. Assignor hereby sells, assigns, transfers and sets over, to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the, Applications, the inventions contained therein and any and all letters patent or patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all provisionals, divisions, continuations, continuations-in-part and substitutions of said Applications, or reissues, re-examinations or extensions of said letters patent or patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee (including any right to institute actions and to recover for past, present and future infringement), for its own use and the use of its successors, legal representatives and assigns, to the full end of the 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 Assignor, had this sale and assignment not been made.
2. Assignor shall promptly sign and execute all papers and documents, take all lawful oaths, and do all acts necessary, required or useful to secure title thereto to the Assignee, at the sole cost and expense of Assignee, its successors, legal representatives and assigns, including, without limitation, (a) said inventions, or said Applications for letters patent; (b) letters patent for said inventions in any country, including any reissue, re-examination or extension of or interference proceedings; or (c) any provisional, division, continuation, continuation-in-part, or substitutions of any Applications for letters patent or any reissues, re-examinations, extensions or interference proceedings involving any letters patent, to be obtained thereon. To be clear, for purposes of this paragraph, "desirable" shall include, without limitation, any act necessary or useful in connection with United States laws and/or international conventions.
3. Assignor hereby authorize and request the Commissioner of Patents in the United States to issue the Applications to Assignee as the assignee of said inventions and the letters patent to be issued thereon for the sole use of Assignee, its successors, legal representatives and assigns.
4. "I hereby grant Assignee's attorneys, all of Morrison & Foerster LLP, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark office for recordation of this document, including the power to insert on this assignment the application numbers and filing dates of said Applications when known."

In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).

Assignor:


Date: 12-1-14

Signature: 

Name: Daniel Hawkins  
Title: Managing Member  
Company: DJT, LLC

Assignee:

Date: 12/3/14

Signature: 

Name: Frederic H. Mott  
Title: Chairman of the Board  
Company: SHOCKWAVE MEDICAL, INC.

**EXHIBIT A**

| <b>Attorney Docket Number</b> | <b>Title</b>   | <b>Application Number</b> | <b>Filing Date</b> |
|-------------------------------|--|---------------------------|--------------------|
| 69026-20004.00                | SHOCKWAVE BALLOON CATHETER SYSTEM  | 12/482,995                | June 11, 2009      |
| 69026-20004.01                | SHOCKWAVE BALLOON CATHETER SYSTEM  | 13/646,570                | October 5, 2012    |
| 69026-20004.10                | SHOCKWAVE BALLOON CATHETER SYSTEM  | 13/049,199                | March 16, 2011     |
| 69026-20004.20                | NON-CAVITATION SHOCKWAVE BALLOON CATHETER SYSTEM                                     | 13/465,264                | May 7, 2012        |
| 69026-20004.21                | SHOCK WAVE BALLOON CATHETER SYSTEM WITH OFF CENTER SHOCK WAVE GENERATOR              | 13/646,583                | October 5, 2012    |
| 69026-20005.00                | METHOD OF PROVIDING EMBOLIC PROTECTION AND SHOCKWAVE ANGIOPLASTY THERAPY TO A VESSEL | 12/501,619                | July 13, 2009      |
| 69026-20006.00                | DRUG DELIVERY SHOCKWAVE BALLOON CATHETER SYSTEM                                      | 12/581,295                | October 19, 2009   |
| 69026-20007.00                | SHOCKWAVE VALVULOPLASTY CATHETER SYSTEM  | 12/611,997                | November 4, 2009   |
| 69026-20007.10                | SHOCKWAVE VALVULOPLASTY CATHETER SYSTEM  | 13/207,381                | August 10, 2011    |