

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5104693

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>SEQUENCE:</b>	2

**CONVEYING PARTY DATA**

Name	Execution Date
TW MEDICAL TECHNOLOGIES, LLC	07/21/2015

**RECEIVING PARTY DATA**

<b>Name:</b>	STRYKER EUROPEAN HOLDINGS I, LLC
<b>Street Address:</b>	2825 AIRVIEW BOULEVARD
<b>City:</b>	KALAMAZOO
<b>State/Country:</b>	MICHIGAN
<b>Postal Code:</b>	49002

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	15908665

**CORRESPONDENCE DATA**

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*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.*

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<b>ATTORNEY DOCKET NUMBER:</b>	TWM01 US3
<b>NAME OF SUBMITTER:</b>	NANCY RUSHTON
<b>SIGNATURE:</b>	/Nancy Rushton/
<b>DATE SIGNED:</b>	08/22/2018

**Total Attachments: 2**

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ASSIGNMENT

WHEREAS, **TW MEDICAL TECHNOLOGIES, LLC** ("TWM" / "ASSIGNOR"), a limited liability company under the laws of the State of Delaware, having its principal place of business at 101 E. Mill Street, Unit P, Quakertown, PA 1895, owns all right, title, and interest in and to all patents and patent applications identified on Exhibit "A" attached hereto (collectively, the "Patents") by virtue of prior assignments of the Patents from the inventor(s) and/or assignee(s) to TWM, which are recorded at the U.S. Patent and Trademark Office, and

WHEREAS, **STRYKER EUROPEAN HOLDINGS I, LLC**, a limited liability company formed under the laws of the State of Delaware, having its principal place of business at 2825 Airview Boulevard, Kalamazoo, MI 49002, United States of America, acting in its capacity as sole general partner of Stryker European Technologies C.V., a limited partnership established under the law of the Netherlands ("*commanditaire vennootschap*"), having its principal place of business at 2825 Airview Boulevard, Kalamazoo, MI 49002, United States of America, (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring all right, title and interest of TWM in, to and under said Patents and any rights deriving or based upon such Patents, in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, transfers and sets over unto said ASSIGNEE, all right, title and interest to said Patents and to all Letters Patent and any rights deriving or based directly upon such Patents, not only in the United States of America and its territorial possessions, but in all countries foreign thereto, including any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country, based in whole or in part on the Patents, for the full term or terms for which the same may be granted, including all priority rights under the International Convention; and ASSIGNOR hereby authorizes and requests the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents or any legal equivalent thereof, to issue said Patents to ASSIGNEE, its successors and assigns, in accordance with this Assignment.

IN WITNESS WHEREOF, the ASSIGNOR has executed this Assignment as of the last date set forth below.

**TW Medical, LLC**

By: 

Print Name: Michael Wallace

Title: Executive V.P.

Date: 7/24/15

**Stryker European Holdings, I, LLC,**  
in its capacity as sole general partner  
of Stryker European Technologies C.V.

By: 

Print Name: Jeanne Blondia

Title: President and Treasurer

Date: 7/23/15

EXHIBIT A

U.S. PATENTS & APPLICATIONS

US Patent No.	US Appl. No.	Filing Date	Issue Date	Title
	61/597,029 *	2/9/2012		EMBOLIC DEVICE AND METHODS OF USE
	61/721,367 *	11/1/2012		EMBOLIC DEVICE AND METHODS OF USE
9,060,777	14/289,555	5/28/2014	6/23/2015	VASO-OCCLUSIVE DEVICES AND METHODS OF USE
	14/684,189	4/10/2015		VASO-OCCLUSIVE DEVICES INCLUDING A FRICTION ELEMENT AND METHODS OF USE
9,011,482	14/289,567	5/28/2014	4/21/2015	VASO-OCCLUSIVE DEVICES INCLUDING A FRICTION ELEMENT AND METHODS OF USE
	62/159,154	5/8/2015		VASO-OCCLUSIVE DEVICES

\*Denotes Potentially Expired or Abandoned

*MPW 7/21/15*