

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4507637

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SRAVANTHI AVUTHU	06/08/2017
WESLEY CHUNG JOE	06/08/2017
MARTIN SCHNITZER	06/13/2017
CURTIS DALE GUYER	06/07/2017
RICHARD REPP	06/07/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ACCESS CLOSURE, INC.
<b>Street Address:</b>	5452 BETSY ROSS DRIVE
<b>City:</b>	SANTA CLARA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95054
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	29604735
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>Email:</b>	patent@cardinalhealth.com
<b>Correspondent Name:</b>	CARDINAL HEALTH
<b>Address Line 1:</b>	300 SOUTH RIVERSIDE PLAZA, SUITE 2010
<b>Address Line 2:</b>	ATTN: KIM LUNA
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60606
<b>ATTORNEY DOCKET NUMBER:</b>	150008-US-DES1
<b>NAME OF SUBMITTER:</b>	AMANDA F. MAHARAJ
<b>SIGNATURE:</b>	/Amanda F. Maharaj/
<b>DATE SIGNED:</b>	07/18/2017
<b>Total Attachments: 11</b>	
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**COMBINED DECLARATION FOR UTILITY OR DESIGN  
PATENT APPLICATION AND ASSIGNMENT THEREOF**

As a below named inventor, I hereby declare that:

The below-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

VASCULAR CLOSURE APPARATUS

*(Title of Invention)*

the specification of which:

☐ is attached hereto, or

☒ was filed by an authorized person on my behalf on 19 May 2017 as United States Application Number or PCT International Application Number 29/604735.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 of the United States Code of Federal Regulations, § 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the filing date of the continuation-in-part application in the United States of America.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 United States Code § 1001 by fine or imprisonment of not more than five (5) years, or both, for filings of this Application in the United States of America.

## ASSIGNMENT OF INVENTION AND OF LETTERS PATENT

WHEREAS, I/We, SRAVANTHI AVUTHU, WESLEY CHUNG JOE, MARTIN SCHNITZER, CURTIS DALE GUYER, and RICHARD REPP have invented certain new and useful inventions or improvements relating to a vascular closure apparatus ("Invention") which are described in a patent application entitled "VASCULAR CLOSURE APPARATUS" filed on 19 May 2017 which such application has been afforded serial no. 29/604735 by the United States Patent and Trademark Office ("Application"); and

WHEREAS, Access Closure, Inc. , a corporation organized under the laws of the State of Delaware having a place of business at 5452 Betsy Ross Drive, Santa Clara, CA 95054 ("Assignee"), is desirous of obtaining the entire right, title and interest in the Invention, in the Application, in any US patent granted therefrom, and in any applications for patent (and in the respective patents granted therefrom) in any country of the world claiming priority to the Application.

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell, assign, transfer and set over unto Assignee, its successors and assigns, my entire right, title and interest in the Invention, in the Application and in any letters patent which may be granted from the Application, as well as in any patent application, now or hereafter filed in any country of the world, claiming priority to the Application and in any letters patent which may be granted respectively therefrom. I furthermore hereby sell, assign, transfer and set over unto Assignee, its successors and assigns, my entire right, title and interest in all provisional and non-provisional applications relating thereto, and in any divisions, continuations, continuations-in-part, extensions, renewals or reissues of the Application, of any patent application, now or hereafter filed in any country of the world, claiming priority thereto or having the same worldwide priority date thereof, and of any letters patent granted respectively therefrom;

AND, I HEREBY sell, assign, transfer and set over unto Assignee, its successors and assigns, my entire right, title and interest in any improvement to the Invention made by me, whether made solely or jointly with one or more other parties, as well as in any patent application filed on said improvement, now or hereafter filed in any country of the world, claiming priority to the Application, whether or not said improvement is described expressly in the Application;

AND, I HEREBY authorize Assignee to claim priority to the Application in any country of the world for any purpose whatsoever, including without limitation,

Assignee's efforts to seek patent protection in its own name, for its own benefit and/or on its own behalf in any country of the world;

AND, I HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country of countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all letters patent for said inventions or improvements to the said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND, I HEREBY covenant that I have full right to convey the entire right, title and interest herein assigned, and that I have not executed and will not execute, any agreement in conflict herewith;

AND, I HEREBY authorize and request the attorney or agent of record in the said application for letters patent to insert in this document the serial number and filing date of the said application when officially known, if such information has not been provided at the time of my execution hereof and any further identification which may be necessary or desirable in order to obtain legal recordation of this document;

AND, I HEREBY further covenant and agree that I will communicate to the said Assignee, its successors, legal representatives and assigns, any and all facts known to me respecting said inventions or improvements, and testify in any legal proceeding, sign all lawful papers, execute all provisional, non-provisional, divisional, reissue, continuation, and continuation-in-part applications, make all rightful oaths, execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient, and generally do everything possible to aid the said Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said inventions or improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8<sup>th</sup> day of June, 2017.

Legal Name of Inventor: SRAVANTHI AVUTHU

Inventor's Address: 111 LAKE ROAD  
PORTOLA VALLEY, CA 94028  
USA

Inventor's Signature:

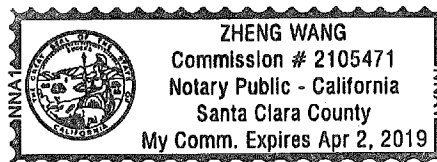
Sravanthi Avuthu

STATE OF California )  
COUNTY OF Santa Clara ) ss:

On this 8<sup>th</sup> day of June, 2017, before me, a Notary Public in and for the State and County aforesaid, personally appeared SRAVANTHI AVUTHU to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

[Signature]  
Notary Public

My commission expires: April 2, 2019



IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8<sup>th</sup> day of JUNE, 2017.

Legal Name of Inventor: WESLEY CHUNG JOE

Inventor's Address: 3837 Fiano Common  
Fremont, CA 94555  
USA

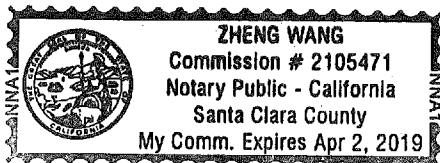
Inventor's Signature: \_\_\_\_\_

STATE OF California )  
COUNTY OF Santa Clara ) ss:

On this 8<sup>th</sup> day of June, 2017, before me, a Notary Public in and for the State and County aforesaid, personally appeared WESLEY CHUNG JOE to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

\_\_\_\_\_  
Notary Public

My commission expires: April 2, 2019





Cordis Corporation

14201 NW 60<sup>th</sup> Avenue, Miami Lakes, FL 33014

Mailing Address: P.O. Box 025700, Miami, FL 33102

T (786) 313 2000 F (786) 313 2080

June 8, 2017

**CERTIFICATION OF TRUTHFUL AND ACCURATE STATEMENT**

I, Wesley Chung Joe, in my capacity as R&D Engineering Manager – Cordis Corporation certify that the attached **COMBINED DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION AND ASSIGNMENT THEREOF** is true, correct and complete original document to the best of my knowledge.

Wesley Chung Joe

R&D Engineering Manager

State of California  
County of Santa Clara

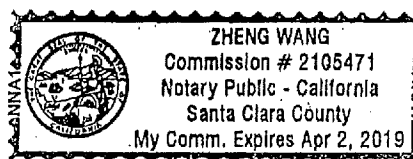
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

On June 8, 2017, before me, ZHENG WANG, Notary Public, personally appeared Wesley Chung Joe, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person 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.

**WITNESS my hand and official seal.**

Zheng Wang, Notary Public





IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 13 day of June, 2017.

Legal Name of Inventor: MARTIN SCHNITZER

Inventor's Address: 305 PERSIA AVENUE  
SAN FRANCISCO, CA 94112  
USA

Inventor's Signature: [Signature]

STATE OF California )  
COUNTY OF San Francisco ) ss:

On this 13 day of June, 2017, before me, a Notary Public in and for the State and County aforesaid, personally appeared MARTIN SCHNITZER to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

[Signature]  
Notary Public

My commission expires: May 7, 2019



IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 7 day of  
JUNE, 2017.

Legal Name of Inventor: CURTIS DALE GUYER

Inventor's Address: 8003 BRITTANY DRIVE  
DUBLIN, CA 94568  
USA

Inventor's Signature:



STATE OF \_\_\_\_\_ )  
 ) ss:  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me, a Notary Public  
in and for the State and County aforesaid, personally appeared CURTIS DALE GUYER  
to me known and known to me to be the person of that name, who signed and sealed  
the foregoing instrument, and acknowledged the same to be his/her free act and deed.

SEE ATTACHED CERTIFICATE

Notary Public

My commission expires: \_\_\_\_\_

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT****CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )

County of Alameda )On June 7, 2017 before me, Marisol M. Moreno, Notary Public,  
Date Here Insert Name and Title of the Officer

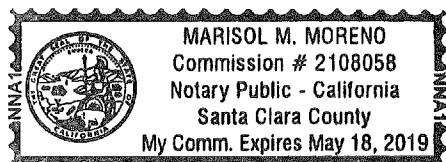
personally appeared \_\_\_\_\_

Curtis Dale Guyer  
Name(s) of Signer(s)

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.

WITNESS my hand and official seal.



Signature \_\_\_\_\_

[Signature]  
Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

**Description of Attached Document**

Title or Type of Document: \_\_\_\_\_ Document Date: \_\_\_\_\_

Number of Pages: \_\_\_\_\_ Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: \_\_\_\_\_

☐ Corporate Officer — Title(s): \_\_\_\_\_☐ Partner — ☐ Limited ☐ General☐ Individual ☐ Attorney in Fact☐ Trustee ☐ Guardian or Conservator☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

☐ Corporate Officer — Title(s): \_\_\_\_\_☐ Partner — ☐ Limited ☐ General☐ Individual ☐ Attorney in Fact☐ Trustee ☐ Guardian or Conservator☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

**PATENT****REEL: 043029 FRAME: 0728**

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 7 day of  
JUNE, 2017.

Legal Name of Inventor: RICHARD REPP

Inventor's Address: 6130 MONTEREY HWY. SPC. 145  
SAN JOSE, CA 95138  
USA

Inventor's Signature:

Richard Repp

STATE OF \_\_\_\_\_ )  
 ) ss:  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, before me, a Notary Public  
in and for the State and County aforesaid, personally appeared RICHARD REPP to me  
known and known to me to be the person of that name, who signed and sealed the  
foregoing instrument, and acknowledged the same to be his/her free act and deed.

**SEE ATTACHED CERTIFICATE**

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT****CIVIL CODE § 1189**

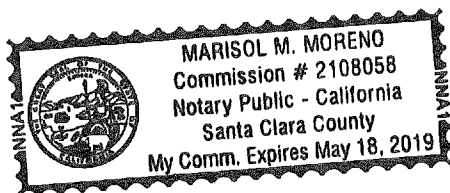
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )  
County of Alameda )  
On June 7, 2017 before me, Marisol M. Moreno, Notary Public,  
Date Here Insert Name and Title of the Officer  
personally appeared Richard Repp  
Name(s) of Signer(s)

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.

WITNESS my hand and official seal.



Signature \_\_\_\_\_  
Signature of Notary Public

Place Notary Seal Above

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Signer's Name: \_\_\_\_\_

☐ Corporate Officer — Title(s): \_\_\_\_\_

☐ Partner — ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

☐ Corporate Officer — Title(s): \_\_\_\_\_

☐ Partner — ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_