PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOSHUA BRENIZER	01/09/2019
DEAN PETERSON	01/11/2019
THOMAS KOUCHOUKOS	01/15/2019
MARK WENDLE	01/09/2019

RECEIVING PARTY DATA

Name:	TELEFLEX INNOVATIONS S.À.R.L.	
Street Address:	560A, RUE DE NEUDORF	
City:	LUXEMBOURG CITY	
State/Country:	LUXEMBOURG	
Postal Code:	L-2220	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16644365

CORRESPONDENCE DATA

Fax Number: (763)656-4288

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.

Phone: 763-656-4328

Email: USMIN-ip@teleflex.com

VASCULAR SOLUTIONS LLC, TELEFLEX INCORPORATED **Correspondent Name:**

Address Line 1: 6464 SYCAMORE COURT NORTH

Address Line 2: C/O INTELLECTUAL PROPERTY DEPARTMENT

Address Line 4: MINNEAPOLIS, MINNESOTA 55369

ATTORNEY DOCKET NUMBER:	VSI-1072-US01
NAME OF SUBMITTER:	JULIE WANG
SIGNATURE:	/JULIE WANG/
DATE SIGNED:	10/08/2020

Total Attachments: 7

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> **PATENT** REEL: 054006 FRAME: 0652

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> PATENT REEL: 054006 FRAME: 0653

ASSIGNMENT

WHEREAS, Joshua Brenizer, Dean Peterson, Thomas Kouchoukos, and Mark Wendle (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention") which are described in a patent application filed on January 7, 2019, which application was assigned U.S. patent application serial number 62/789,000, and which is titled GUIDE EXTENSION CATHETER.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to Teleflex Innovations S.à.r.l. (the "Assignee"), having a place of business at 560A, rue de Neudorf, L-2220 Luxembourg City, Grand Duchy of Luxembourg, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Invention which is disclosed in the above-identified application(s);

such application(s), and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such invention;

including the right to claim priority to the above-identified patent application(s) in relation to subject matter based in whole or in part on the above-identified patent application(s) and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application(s), including, without limitation, the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application(s) and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such Invention to the Assignee;

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 128550 may (directly or through his/her designee) delete, insert, or alter any information related to the above-identified patent application(s), any of the foregoing or any of the below, after execution of this Assignment;

PATENT REEL: 054006 FRAME: 0654 Assignment
Assignors: Joshua Brenizer et al.
Title: GUIDE EXTENSION CATHETER
Page 2 of 7

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, review, opposition, dispute, or litigation involving any of the applications or patents for the invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the invention;

COVENANT, that should any provision of this agreement be field unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, the Undersigned, when requested and without compensation, shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

Assignment
Assignors: Joshua Brenizer et al.
Title: GUIDE EXTENSION CATHETER Page 3 of 7

Docket No.: VSI-1072-USPR

Assignor:

(Signature):

Name: Joshua Brenizer
City, State: Maple Grove MN

Date:

Assignment
Assignors: Joshua Brenizer et al.
Title: GUIDE EXTENSION CATHETEI
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Dacket No.: VSI-1072-USPR

Assignor:

(Signature):

Name: Dean Peterson

City, State: MINDEAPOUS (NN)

Date:

1/1/2019

Assignment
Assignors: Joshua Brenizer et al.
Title: GUIDE EXTENSION CATHETER
Dans Faf7

Docket No.: VSI-1072-USPR

Assignor:

(Signature):

Name: Thomas Kouchoukos City, State: MINNEAPOLIS MA

Date:

1/15/19

Assignment Assignors: Joshua Brenka Title: GUIDE EXTENSION: Page 6 of 7		packet No.: VS(-)
Assignor:	·-··	
(Cianatura):	M / /	

Name: Mark Wendle
City, State: Albany NY
01/09/2019

Date:

PATENT REEL: 054006 FRAME: 0659 Assignment Docket No.: VSi-1072-USPR

Assignors: Joshua Brenizer et al. Title: GUIDE EXTENSION CATHETER Page 7 of 7

Assignee Acceptance:

Teleflex Innovations S.à.r.l.

(Signature #1):

Name: ¿Jácob Elguicze
Title: Manager Category A

City/State: Wayne, Pennsylvania, USA

Date:

1/15/2019

(Signature #2):

Name: Luc Sunnen

Title: Manager Category B City/State: Luxembourg

Date:

16/01/619

PATENT