PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6340909

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOSHUA BRENIZER	12/05/2018
DEAN PETERSON	12/05/2018
LOIC VAN HORNE	12/07/2018

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:	16644321

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 INC **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-1070-US01
NAME OF SUBMITTER:	JULIE WANG
SIGNATURE:	/JULIE WANG/
DATE SIGNED:	10/08/2020

Total Attachments: 6

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PATENT REEL: 054006 FRAME: 0150 506294161

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PATENT REEL: 054006 FRAME: 0151

ASSIGNMENT

WHEREAS we, Joshua Brenizer, Dean Peterson, and Loic Van Horne (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 November 27, 2018, which application was assigned U.S. patent application serial number 62/771,658, 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.I. (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, remedles, 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: 0152 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 held 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:

Assignmer	ıt
	Christopher E. Butler et al.
Title: GUI	DE EXTENSION CATHETER
70	. /

Docket No: VSI-1070-USPR

Assignor:

(Signature):

Date:

Name: Joshua Brenizer
City, State: MM)

Jecember 5th 2018

REEL: 054006 FRAME: 0154

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Assig	nors:	Christo	pher E.	Buller	t al.
Title;	GUI	DE EXT	rensi)	M CATI	HETER
Dane	A 46	· £:			

Docket No: VSI-1070-USPR

Assignor:

(Signature):

Name: Dean Peterson
City, State: MINNEAROLIS, MN

Date:

REEL: 054006 FRAME: 0155

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Assign	iors;	Chris	tophe	B. E	lulter	ct al.	
Title;	GUL	DR E	KTEN	SION	[CA]	Hetel	?
Page	5 of	6					

Docket No: VSI-1070-USPR

Assignor:

(Signature):

Name: Loic Van Horne City, State: Minneapolis

Date:

12-7-18

Assignment
Assignora: Christopher E. Buller et al.
Title: GUIDE EXTENSION CATHETER
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Docket No: VSI-1070-USPR

Assignee Acceptance:

Teleflex innovations S.à.r.l.

(Signature #1):

Name; (

Title:

Jacob Elgilicze Manager Category A

City, State:

Wayne, Pennsylvania, USA

Date:

December 7 2019

(Signature #2):

Name:

Luc Sunnen

Title:

Manager Category B

City, State: Luxembourg

Date:

REEL: 054006 FRAME: 0157