503187819 02/20/2015

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3234436

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HOWARD ROOT	04/17/2013
DEAN PETERSON	04/16/2013

RECEIVING PARTY DATA

Name:	VASCULAR SOLUTIONS, INC.
Street Address:	6464 SYCAMORE COURT NORTH
City:	MINNEAPOLIS
State/Country:	MINNESOTA
Postal Code:	55369

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14206940

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: ip@vasc.com

VASCULAR SOLUTIONS, INC. Correspondent Name: Address Line 1: 6464 SYCAMORE COURT NORTH Address Line 4: MINNEAPOLIS, MINNESOTA 55369

ATTORNEY DOCKET NUMBER:	VSI-1029-US01
NAME OF SUBMITTER:	JULIE WANG
SIGNATURE:	/Julie Wang/
DATE SIGNED:	02/20/2015

Total Attachments: 5

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PATENT REEL: 034993 FRAME: 0776 503187819

ASSIGNMENT

WHEREAS, Eric Gandras, Howard Root and Dean Peterson (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 March 13, 2013, which application was assigned US patent application serial number 61/780,832, and which is titled DRAINAGE OR FEEDING CATHETER ASSEMBLY.

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 Vascular Solutions, Inc. (the "Assignee"), a corporation of the State of Minnesota, having a place of business at 6464 Sycamore Court, Minneapolis, MN 55369, 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 or applications;

such application or applications, 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 or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications 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 or applications, 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 or applications 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. 21186 may (directly or through his/her designee) delete, insert, or alter any information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

PATENT REEL: 034993 FRAME: 0777 Assignment
Assignors: Eric Gandras et al.
Title: DRAINAGE OR FEEDING CATHETER ASSEMBLY
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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, 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:

Assignment	Docket No: 3195.062PR
Assignors: Eric Gandras et al. Title: DRAINAGE OR FEEDING CATHETER ASSEMBLY	
Page 3 of 5	
Assignor:	
7100.811011	
(Signature):	
Name: Eric Gandras	
City/State: Great Neck, NY	
Date:	
STATE OF)	
)ss	
COUNTY OF)	
On this day of 20 before me personally app	
Gandras, to me known and known to me to be the person described in and who execu	
instrument, and he/she duly acknowledged to me that he/she executed the same for t	the uses and
purposes therein set forth.	
[SEAL]	
[vent]	-

Notary Public

PATENT REEL: 034993 FRAME: 0779

Docket No: 3195.062PRV

[SEAL]

Assignor:
(Signature):
Name: Howard Root
City/State: Minneapolis, MN
Date: April 17, 2013
STATE OF Minnesota)
COUNTY OF <u>Hennepon</u>)
On this day of, 20, 20
Notary Public Minnesota Hy Commission Expires January 31, 2017

Notary Public

Assignor:

(Signature):

Name: Dean Peterson

City/State: Rogers, MN

Date: 4/16/13

STATE OF MINNESOTA

)ss

COUNTY OF HENNEPIN)

On this ______ day of _______, 2013_ before me personally appeared <u>Dean</u>

<u>Peterson</u>, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

Molly Patricia Woods
Notary Public
Minnesota
My Commission Expires January 31, 2017

Notary Public

RECORDED: 02/20/2015