504190605 01/23/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4237280

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY	DATA	I		
		Name	Execution Date	
SUCHITRA SUMITRAN-HOLGERSS		SSON	10/17/2014	
MICHAEL OLAUSSON			10/21/2014	
RECEIVING PARTY	DATA			
Name:	NOVAHI	AHEP AB		
Street Address:	ARVID V	D WALLGRENS BACKE 20		
City:	GOTEBO	EBORG		
State/Country:	SWEDEN			
Postal Code:	413 46			
PROPERTY NUMBER Property Typ	e	Number		
	e	Number 5169868		
Property Typ	e 1			
Property Typ Application Number:	De 1 : 1 E DATA			
Property Typ Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will</i>	De 1 DATA	5169868		
Property Typ Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will</i> <i>using a fax number,</i> Phone:	De 1 DATA ((I be sent to if provided; 6	5169868 617)523-1231 <i>the e-mail address first; if that is unsu</i> <i>if that is unsuccessful, it will be sent</i> w 517-570-1000	via US Mail.	
Property Typ Application Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number,	De 1 E DATA ((I be sent to if provided; 6 s	5169868 617)523-1231 <i>the e-mail address first; if that is unsuc</i> <i>if that is unsuccessful, it will be sent</i> w 517-570-1000 sashraf@goodwinlaw.com, lsolis@goodwi	via US Mail.	
Property Typ Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will</i> <i>using a fax number,</i> Phone:	De 1 DATA ((I be sent to 1 if provided; 6 s	5169868 617)523-1231 <i>the e-mail address first; if that is unsu</i> <i>if that is unsuccessful, it will be sent</i> w 517-570-1000	via US Mail. inlaw.com,	
Property Typ Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will</i> <i>using a fax number,</i> Phone: Email:	e 1	5169868 617)523-1231 the e-mail address first; if that is unsu if that is unsuccessful, it will be sent v 517-570-1000 sashraf@goodwinlaw.com, lsolis@goodwi patentBOS@goodwinlaw.com	via US Mail. inlaw.com,	
Property Typ Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will</i> <i>using a fax number,</i> Phone: Email: Correspondent Name	e 1 DATA ((<i>I be sent to i</i> <i>if provided;</i> 6 s p e: 6 1	5169868 617)523-1231 the e-mail address first; if that is unsuc if that is unsuccessful, it will be sent w 517-570-1000 sashraf@goodwinlaw.com, lsolis@goodwi batentBOS@goodwinlaw.com GOODWIN PROCTER LLP - PATENT AD	via US Mail. inlaw.com,	
Property Typ Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will</i> <i>using a fax number,</i> Phone: Email: Correspondent Name Address Line 1:	De 1 E DATA ((I be sent to (if provided; 6 sp 6 e: 6 1 1 E 1 E 1	617)523-1231 the e-mail address first; if that is unsuc if that is unsuccessful, it will be sent 317-570-1000 sashraf@goodwinlaw.com, lsolis@goodwi batentBOS@goodwinlaw.com GOODWIN PROCTER LLP - PATENT AD 00 NORTHERN AVENUE	via US Mail. inlaw.com,	
Property Typ Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will</i> <i>using a fax number,</i> Phone: Email: Correspondent Name Address Line 1: Address Line 4:	De 1	617)523-1231 the e-mail address first; if that is unsuc if that is unsuccessful, it will be sent w 317-570-1000 ashraf@goodwinlaw.com, lsolis@goodwi batentBOS@goodwinlaw.com GOODWIN PROCTER LLP - PATENT AD 00 NORTHERN AVENUE 30STON, MASSACHUSETTS 02210	via US Mail. inlaw.com,	
Property Typ Application Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, Phone: Email: Correspondent Name Address Line 1: Address Line 4:	De 1	617)523-1231 the e-mail address first; if that is unsuc if that is unsuccessful, it will be sent w 517-570-1000 cashraf@goodwinlaw.com, lsolis@goodwi batentBOS@goodwinlaw.com GOODWIN PROCTER LLP - PATENT AD 00 NORTHERN AVENUE 30STON, MASSACHUSETTS 02210 NVH-003C2	via US Mail. inlaw.com,	

source=NVH-003C2Assignment#page3.tif

ASSIGNMENT

We, Suchitra Sumitran-Holgersson and Michael Olausson, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, confirm that we have sold and assigned, and do hereby assign, sell and transfer to NovaHep AB, with offices at Arvid Wallgrens backe 20, 413 46 Göteborg, Sweden, and to its successors, assigns and legal representatives, collectively hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

BIOENGINEERED ALLOGENEIC BLOOD VESSEL

filed with the U.S. Patent and Trademark Office on June 12, 2014 and assigned U.S. Application No. 14/364,756, as a United States National Phase application based on International Application No. PCT/IB2013/000873, filed March 1, 2013, which claims priority to and/or the benefit of U.S. Provisional Application No. 61/611,810, filed March 16, 2012, and including any subsequently filed applications in any country of the world, which claim priority to, and/or the benefit of any of U.S. Application No. 14/364,756, International Application No. PCT/IB2013/000873, and U.S. Provisional Application No. 61/611,810, and including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in my/our names as the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

PATENT REEL: 041046 FRAME: 0151

First Inventor : Suchitra Sumitran-Holgersson Application No. : 14/364,756 Filed : June 12, 2014 Page 2 of 3

We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof,

Date: 2014 - 10 - 17

Signature of:

SUCHITRA SUMITRAN-HOLGERSSON

IN WITNESS WHEREOF, I,

PETTER BRERQUIST (Printed Name of Witness)

, hereby declare

that I was personally present and did see the above named person duly sign and execute the assignment.

(Signature of Witness

Date:

<u>Jon-Olot Andersson</u>, hereby declare (Printed Name of Witness) IN WITNESS WHEREOF, L

that I was personally present and did see the above named person duly sign and execute the assignment.

Jan (Signature of Winess)

Date: 2014-10-17

- 2 -

First Inventor : Suchitra Sumitran-Holgersson Application No. : 14/364,756 : June 12, 2014 Filed Page 3 of 3

Date: 20141021 Signature of: MICHAEL OLAUSSON

IN WITNESS WHEREOF, I, _

2014-

____, hereby declare PETTER BJORQUIST (Printed Name of Witness) that I was personally present and did see the above named person duly sign and execute the assignment.

(Signature of Witness)

10-21

Date:

Jan-Olof Andersson, hereby declare (Printed Name of Witness) IN WITNESS WHEREOF, I,

that I was personally present and did see the above named person duly sign and execute the assignment.

Jan Vert Auch (Signature of Witness)

Date: ______2014 -10 - 21

33348348v.1

RECORDED: 01/23/2017