503841641 05/25/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3888289

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
STEVEN WAYNE BERHOW	03/21/2016
J. ERIC GOSLAU	04/09/2016
BRAD LEES	03/15/2016
MICHAEL K. HANDLEY	04/04/2016
DOUGLAS SCOTT WAHNSCHAFFE	04/11/2016
REED ALLAN HOUGE	04/11/2016
DAVID SCHECHTER	03/16/2016

RECEIVING PARTY DATA

Name: TRANSVERSE MEDICAL, INC.	
Street Address: 320 EAST VINE DRIVE	
Internal Address:	SUITE 323
City:	FORT COLLINS
State/Country:	COLORADO
Postal Code: 80524	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14890679	

CORRESPONDENCE DATA

Fax Number:

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:	651-686-6633
Email:	jbardon@ip-firm.com
Correspondent Name:	CRAWFORD MAUNU PLLC
Address Line 1:	1150 NORTHLAND DRIVE, SUITE 100
Address Line 4:	ST. PAUL, MINNESOTA 55120

ATTORNEY DOCKET NUMBER:	TRNS.100US
NAME OF SUBMITTER:	ERIC J. CURTIN
SIGNATURE: /Eric J. Curtin/	

DATE SIGNED:	05/25/2016		
Total Attachments: 19			
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WHEREAS, We, Steven Wayne Berhow, residing at 9177 13th St. NE, Saint Michael, Minnesota 55376; J. Eric Goslau; residing at 5390 Three Sisters Circle, Evergreen, Colorado 80439; Brad Lees, residing at 1126 235th PL SE, Sammamish, Washington 98075; Michael K. Handley, residing at 2049 Ridge West Drive, Windsor, Colorado 80550; Douglas Scott Wahnschaffe, residing at 10191 James Ave. NE, Monticello, Minnesota 55362; Reed Allan Houge, residing at 2458 59th St. NE, Buffalo, Minnesota 55313; and David Schechter, residing at 3863 57th St., Boulder, Colorado 80301 made certain new and useful inventions and improvements for which we herewith filed an application for Letters Patent of the United States, U.S. Patent Application Serial No. 14/890,679 filed on November 12, 2015 and entitled: "CATHETER-BASED APPARATUSES AND METHODS" (Attorney Docket No. TRNS.100US); this U.S. patent application being a national stage filing under 35 U.S.C. 371 of International Application No. PCT/US2014/000106 filed on May 14, 2014, which claims benefit under 35 U.S.C. § 119(e) of U.S. Provisional Patent Application Serial No. 61/823,277, filed on May 14, 2013.

AND WHEREAS, Transverse Medical, Inc., a corporation having an office and place of business at 320 East Vine Drive, Suite 323, Fort Collins, Colorado 80524 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and the provisional patent application, and in and to the application, all divisions, continuations, conversions or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

PATENT REEL: 038713 FRAME: 0964

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

_____- <u>2016</u> (day) (month) (year)

Steven Wayne Berhow

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

_____- - _____- - _______ (day) (month) (year)

J. Eric Goslau

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

<u></u>	3	2016	
(day)	(month)	(year)	

Brad Lees

	IN TESTIMONY	WHEREOF,	have hereunto set my hand on this date:
	(month)	- <u>2016</u> (year)	
			Michael K. Handley
	IN TESTIMONY		have hereunto set my hand on this date:
(day)	(month)	<u>2016</u> (year)	
			Douglas Scott Wahnschaffe
	IN TESTIMONY		have hereunto set my hand on this date:
(day)	(month)	- <u>2016</u> (year)	
			Reed Allan Houge
	IN TESTIMONY	WHEREOF, I	have hereunto set my hand on this date:
(day) -	(month)	- <u>2016</u> (year)	

David Schechter

WHEREAS, We, Steven Wayne Berhow, residing at 9177 13th St. NE, Saint Michael, 6905 SPAceSNE PK (1995) 1. Eric Goslau; residing at 5390 Three Sisters Circle, Evergreen, Colorado 80439; Brad Lees, residing at 1126 235th PL SE, Sammamish, Washington 98075; Michael K. Handley, residing at 2049 Ridge West Drive, Windsor, Colorado 80550; Douglas Scott Wahnschaffe, residing at 10191 James Ave. NE, Monticello, Minnesota 55362; Reed Allan Houge, residing at 2458 59th St. NE, Buffalo, Minnesota 55313; and David Schechter, residing at 3863 57th St., Boulder, Colorado 80301 made certain new and useful inventions and improvements for which we herewith filed an application for Letters Patent of the United States, U.S. Patent Application Serial No. 14/890,679 filed on November 12, 2015 and entitled: "CATHETER-BASED APPARATUSES AND METHODS" (Attorney Docket No. TRNS.100US); this U.S. patent application being a national stage filing under 35 U.S.C. 371 of International Application No. PCT/US2014/000106 filed on May 14, 2014, which claims benefit under 35 U.S.C. § 119(e) of U.S. Provisional Patent Application Serial No. 61/823,277, filed on May 14, 2013.

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NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and the provisional patent application, and in and to the application, all divisions, continuations, conversions or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

1

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IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

. <u></u>	•	<u>2016</u>
(day)	(month)	(year)

Steven Wayne Berhow

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

<u> </u>	APRIL	2016
(day)	(month)	(year)
		D. E. Ma
		J. Eric Goslau

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

_____- _ ______ - ______ - ______ 2016 (day) (month) (year)

Brad Lees

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date: - _ 2016 (day) (month) (year) Michael K. Handley IN TESTIMONY WHEREOF, I have hereunto set my hand on this date: - 2016 (day) (month) (year) Douglas Scott Wahnschaffe IN TESTIMONY WHEREOF, I have hereunto set my hand on this date: 2016 (day) (month) (year) Reed Allan Houge IN TESTIMONY WHEREOF, I have hereunto set my hand on this date: 2016 (day) (month) (year)

David Schechter

WHEREAS, We, Steven Wayne Berhow, residing at 9177 13th St. NE, Saint Michael, Minnesota 55376; J. Eric Goslau; residing at 5390 Three Sisters Circle, Evergreen, Colorado 80439; Brad Lees, residing at 1126 235th PL SE, Sammamish, Washington 98075; Michael K. Handley, residing at 2049 Ridge West Drive, Windsor, Colorado 80550, 7409 Rosecroft Dr. Windsor Douglas Scott Wahnschaffe, residing at 10191 James Ave. NE, Monticello, Minnesota 55362; Reed Allan Houge, residing at 2458 59th St. NE, Buffalo, Minnesota 55313; and David Schechter, residing at 3863 57th St., Boulder, Colorado 80301 made certain new and useful inventions and improvements for which we herewith filed an application for Letters Patent of the United States, U.S. Patent Application Serial No. 14/890,679 filed on November 12, 2015 and entitled: "CATHETER-BASED APPARATUSES AND METHODS" (Attorney Docket No. TRNS.100US); this U.S. patent application being a national stage filing under 35 U.S.C. 371 of International Application No. PCT/US2014/000106 filed on May 14, 2014, which claims benefit under 35 U.S.C. § 119(e) of U.S. Provisional Patent Application Serial No. 61/823,277, filed on May 14, 2013.

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NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and the provisional patent application, and in and to the application, all divisions, continuations, conversions or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

> PATENT REEL: 038713 FRAME: 0970

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

_____- - <u>2016</u> (day) (month) (year)

Steven Wayne Berhow

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

(year)

_____- - ______ - _____ 2016 (day) (month) (year)

J. Eric Goslau

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

(day) (month)

Brad Lees

Docket No. TRNS.100US

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date: - <u>2016</u> (year) (day) (month Micha IN TESTIMONY WHEREOF, I have hereunto set my hand on this date: 2016 (year) (month) (day) Douglas Scott Wahnschaffe IN TESTIMONY WHEREOF, I have hereunto set my hand on this date: - 2016 (year) (day) (month) Reed Allan Houge IN TESTIMONY WHEREOF, I have hereunto set my hand on this date: - _2016 (year) (day) (month) David Schechter

Docket No. TRNS.100US

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended sb to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

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2016 (month) (year)

(day)

Steven Wayne Berhow

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

2016

(year)

(day) (month)

J. Eric Goslau

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2016 (day) (month) (year)

Brad Lees

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PATENT REEL: 038713 FRAME: 0974

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IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

<u></u>		<u> </u>	
(day)	(month)	(year)	
			Steven Wayne Berhow
	IN TESTIMONY WHE	REOF, I have h	ereunto set my hand on this date:
	-	2016	
(day)	(month)	(year)	
			J. Eric Goslau
	IN TESTIMON	Y WHEREOF,	I have hereunto set my hand on this date:
		2016	
(day)	(month)	(year)	
			Brad Lees
			2





WHEREAS, We, Steven Wayne Berhow, residing at 9177 13th St. NE, Saint Michael, Minnesota 55376; J. Eric Goslau; residing at 5390 Three Sisters Circle, Evergreen, Colorado 80439; Brad Lees, residing at 1126 235th PL SE, Sammamish, Washington 98075; Michael K. Handley, residing at 2049 Ridge West Drive, Windsor, Colorado 80550; Douglas Scott Wahnschaffe, residing at 10191 James Ave. NE, Monticello, Minnesota 55362; Reed Allan 5014 Strifte Rd Flipest Aff A2 36005 Houge, residing at 2458 59th St. NE, Buffalo, Minnesota 55313; and David Schechter, residing at 3863 57th St., Boulder, Colorado 80301 made certain new and useful inventions and improvements for which we herewith filed an application for Letters Patent of the United States, U.S. Patent Application Serial No. 14/890,679 filed on November 12, 2015 and entitled: "CATHETER-BASED APPARATUSES AND METHODS" (Attorney Docket No. TRNS.100US); this U.S. patent application being a national stage filing under 35 U.S.C. 371 of International Application No. PCT/US2014/000106 filed on May 14, 2014, which claims benefit under 35 U.S.C. § 119(e) of U.S. Provisional Patent Application Serial No. 61/823,277, filed on May 14, 2013.

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_____- - <u>2016</u> (day) (month) (year)

Steven Wayne Berhow

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_____ - _____ - _2016 (day) (month) (year)

J. Eric Goslau

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Brad Lees



David Schechter

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(day) (month) (year)

Steven Wayne Berhow

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_____- - ______- - _______- 2016 (day) (month) (year)

J. Eric Goslau

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(day) (month) - <u>2016</u> (year)

Brad Lees

PATENT REEL: 038713 FRAME: 0981

	IN TESTIMON	VY WHEREOF, I have	hereunto set my hand on this date:
		- 2016	
(day)	(month)	(year)	
		······	:
		Mich	nel K. Handley
	IN TESTIMON	Y WHEREOF, I have	hereunto set my hand on this date:
		2016	
(day)	(month)	(year)	
		Dougl	as Scott Wahnschaffe
	IN TESTIMON		ereunto set my hand on this date:
	IN TESTIMON	Y WHEREOF, I have h	
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day)	(month)	Y WHEREOF, I have h <u>_2016</u> (year) Reed A	ereunto set my hand on this date: .llan Houge
(day)	(month) IN TESTIMONY	Y WHEREOF, I have h	ereunto set my hand on this date:
6 ⁺¹	(month)	Y WHEREOF, I have h <u>_2016</u> (year) Reed A	ereunto set my hand on this date: .llan Houge
(day) (<i>day</i>) <i>day</i>)	(month) IN TESTIMONY March	Y WHEREOF, I have h <u>_2016</u> (year) Reed A Y WHEREOF, I have h <u>_2016</u>	ereunto set my hand on this date: .llan Houge

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PATENT REEL: 038713 FRAME: 0982

RECORDED: 05/25/2016