PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Matthew Curran	07/26/2005
Mark Peterson	07/26/2005
Luiz Pimenta	03/05/2013

RECEIVING PARTY DATA

Name:	NUVASIVE, INC.
Street Address:	7475 LUSK BOULEVARD
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92121

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14314823

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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.

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (612) 335-5070 **Email:** enb@fr.com

Correspondent Name: MICHAEL T. HAWKINS
Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	13958-0099008 / 104US9
NAME OF SUBMITTER:	MICHAEL T. HAWKINS
SIGNATURE:	/Michael T. Hawkins Reg. No. 57,867/
DATE SIGNED:	07/07/2014

Total Attachments: 4

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PATENT

REEL: 033250 FRAME: 0226

8582717101

Application No. 11/093,409 Attorney Docket No. 104US1

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, Matthew Curran, of 3218 Rancho Quartillo, Carlsbad CA, 92009; and Mark Peterson, M.D., of 840 Royal Avenue Suite #1, Medford OR, 97504; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

nventors of the	invention described and set	forth in the below	-identified application for I	United States Lette
	Title of Invention:	SYSTEMS AND METHODS FOR SPINAL FUSION		
	Date(s) of execution of D	eclaration: <u>3-26-05</u>		
	Filing Date:	March 29, 2005		
	Application No.:	11/093,409		
	**************************************		4 4 50 4 5 4 5 4	

WHEREAS, NuVasive, Inc., a Corporation of the State of Delaware, located at 4545 Towne Centre Court, San Diego, CA, 92121, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is bereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Jonathan Spangler, Esq. 4545 Towne Centre Court, San Diego, CA, 92121, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 7/26/05	1111
,	Matchew Curran
Dated:	Mark Peterson, M.D.

PATENT REEL: 033250 FRAME: 0227

Application No. 11/093,409 Attorney Docket No. 104U\$1

ASSIGNMENT OF PATENT APPLICATION

Date(s) of execution of Declaration: 7-24-05 Filling Date: March 29, 2005 Application No.: 11/093,409 WHERBAS, NuVasiva, Inc., a Corporation of the State of Delaware, located at 4545 Townere Court, San Diego, CA, 92121, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the nation and application and in any U.S. Letters Patent and Registrations which may be granted on the same; For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, gnors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the otion and application and to all foreign counterparts (including patent, utility model and industrial designs), and do nay Letters Patent and Registrations which may hereafter be granted on the same in the United States and countries throughout the world, and to claim the priority from the application as provided by the Paris vention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and as a stulty and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been as for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, wal, continuation in whole or in part, substitution, conversion, relative, prolongation or extension thereof. Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) erate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent antain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest thereto in Assignee, or Assignee's successors and assigns.		Title of Invention:	Systems al	ND METHODS FOR SPI	NAL FUSION
WHEREAS, NuVasiva, Inc., a Corporation of the State of Delaware, located at 4545 Townere Court, San Diego, CA, 92121, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the attention and application and in any U.S. Letters Patent and Registrations which may be granted on the same; For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, gnors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the otion and application and to all foreign counterparts (including patent, utility model and industrial designs), and do any Letters Patent and Registrations which may hereafter be granted on the same in the United States and countries throughout the world, and to claim the priority from the application as provided by the Paris vention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and as a faily and exclusively as it would have been held and enjoyed by Assignee and Assignee's successors and as faily and exclusively as it would have been held and enjoyed by Assignee and this Assignment not been as faily and exclusively as it would have been held and enjoyed by Assignee and this Assignment not been as faily and exclusively as it would have been held and enjoyed by Assignee and this Assignment not been as faily and exclusively as it would have been held and enjoyed by Assignee and this Assignment not been as faily and exclusively as it would have been held and enjoyed by Assignee and this Assignment not been as faily and exclusively as it would have been held and enjoyed by Assignment and the reon, or of any division, wal, continuation in whole or in part, substitution, conversion, relsaue, prolongation or extension thereof. Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) errate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and improvements. (b) execute, verit		Date(s) of execution of	Declaration:	7-26-05	
WHEREAS, NaVasiva, Inc., a Corporation of the State of Delaware, located at 4545 Towns re Court, San Diego, CA, 92121, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the ation and application and in any U.S. Letters Patent and Registrations which may be granted on the same; For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, gnors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the otion and application and to all foreign counterparts (including patent, utility model and industrial designs), and it is any Letters Patent and Registrations which may hereafter be granted on the same in the United States and countries throughout the world, and to claim the priority from the application as provided by the Paris vention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and make a fully and exclusively as it would have been hold and enjoyed by Assignee and Assignment not been as fully and exclusively as it would have been hold and enjoyed by Assignee had this Assignment not been as fully and exclusively as it would have been hold and enjoyed by Assignee, but at Assignment not been as fully and exclusively as it would have been hold and enjoyed by Assignee, but at Assignee's expense, (a) errate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent cations and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain aintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest	. ,	Filing Date:	March 29, 200)5 ^	,
re Court, San Diego, CA, 92121, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the attion and application and in any U.S. Letters Patent and Registrations which may be granted on the same; For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, gnors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the otion and application and to all foreign counterparts (including patent, utility model and industrial designs), and it is any Letters Patent and Registrations which may hereafter be granted on the same in the United States and countries throughout the world, and to claim the priority from the application as provided by the Paris vention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and as as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been as fully and exclusively as a substitution, conversion, relates, prolongation or extension thereof. Assignors further agree that they will, without charge to Assignce, but at Assignme's expense, (a) crate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent intain Letters Patent and R		Application No.:	11/093,409	,	
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PATENT

REEL: 033250 FRAME: 0228

ASSIGNMENT

For valuable consideration, I, <u>LUIZ PIMENTA</u> of Rua Vergueiro, 1.421 Top Towers Offices, Torre Sul - Sala 305, Paraiso 04101-000 Sao Paula, Brasil, hereby assign to: NuVasive, Inc., a corporation of <u>Delaware</u> and having a place of business in San Diego, California, its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by me, entitled SYSTEMS AND METHODS FOR SPINAL FUSION, filed March 29, 2005, and assigned U.S. Serial Number 11/093,409, U.S. Serial Number 13/079,645, filed April 4, 2011, U.S. Serial Number 13/440,062, filed April 5, 2012, U.S. Serial Number 13/441,092, filed April 6, 2012, U.S. Serial Number 13/747,765, filed January 23, 2013, U.S. Serial Number 13/748,925, filed January 24, 2013, and a U.S. provisional application having Serial No. 60/557,536, filed March 29, 2004, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for me and my respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Assignment Page 1 of 2

Date: 03/05/13	Gued
	LUIZ PIMENI/A
Witnessed by:	
Name:	Date: 3/5/13
Name: Name:	Date: $\sqrt{5/13}$