504827514 03/20/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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EPAS ID: PAT4874250

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CASEY JAMES O'CONNELL	11/05/2015
JAMES COLEMAN LEE	11/03/2015
ALI A. SHOROOGHI	11/03/2015

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15926064

CORRESPONDENCE DATA

Fax Number: (858)882-3150

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: 858-480-0280 Email: ip@nuvasive.com

Correspondent Name: NUVASIVE, INC. C/O CPA GLOBAL MINNEAPOLI

Address Line 1: 900 SECOND AVENUE SOUTH

Address Line 2: SUITE 600

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	P1607-US-CON1-CON1	
NAME OF SUBMITTER:	RORY SCHERMERHORN	
SIGNATURE:	/Rory Schermerhorn/	
DATE SIGNED:	03/20/2018	

Total Attachments: 3

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PATENT 504827514 REEL: 045286 FRAME: 0501

Attorney Docket No.: 607US1

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, Casey James O'Connell, hereinafter referred to as "Assignor," is a joint inventor of the invention described and set forth in the application for United States Letters Patent identified below:

Title of Invention: Minimally Disruptive Retractor and Associated Methods

for Spinal Surgery

Filing Date: August 14, 2015

Application No.: 14/756,198

WHEREAS, *NuVasive, Inc.*, a Corporation of the State of Delaware, located at 7475 Lusk Blvd., 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 hereby acknowledged by Assignor, Assignor has 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 Assignor 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.

Assignor further agrees that he 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.

IN TESTIMONY WHEREOF, Assignor has signed his name and dated this Assignment below where indicated.

Casey James O'Connell

*11/5/2015*Date

Attorney Docket No.: 607US1

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, James Coleman Lee of 910 Daisy Avenue, Carlsbad, CA 92011, hereinafter referred to as "Assignor," is a joint inventor of the invention described and set forth in the application for United States Letters Patent identified below:

Title of Invention: Minimally Disruptive Retractor and Associated Methods

for Spinal Surgery

Filing Date: August 14, 2015

Application No.: 14/756,198

WHEREAS, NuVasive, Inc., a Corporation of the State of Delaware, located at 7475 Lusk Blvd., 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 hereby acknowledged by Assignor, Assignor has 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 Assignor 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.

Assignor further agrees that he 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.

IN TESTIMONY WHEREOF, Assignor has signed his name and dated this Assignment below where indicated.

James Coleman Lee

03NOV2015

Attorney Docket No.: 607US1

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, Ali A. Shorooghi, hereinafter referred to as "Assignor," is a joint inventor of the invention described and set forth in the application for United States Letters Patent identified below:

> Title of Invention: Minimally Disruptive Retractor and Associated Methods

> > for Spinal Surgery

Filing Date: August 14, 2015

Application No.: 14/756,198

WHEREAS, NuVasive, Inc., a Corporation of the State of Delaware, located at 7475 Lusk Blvd., 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 hereby acknowledged by Assignor, Assignor has 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 Assignor 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.

Assignor further agrees that he 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.

IN TESTIMONY WHEREOF, Assignor has signed his name and dated this Assignment below where indicated.

Ali A. Shorooghi Date

PATENT REEL: 045286 FRAME: 0504

RECORDED: 03/20/2018