06/13/2018 504957346

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5004093

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOSHUA STEIN	08/18/2017
STEVEN F. KRAUSE	08/17/2017
ANTHONY J. WIRTEL III	07/20/2017
CHARLES L. BUSH JR.	08/17/2017

RECEIVING PARTY DATA

Name:	STRYKER EUROPEAN HOLDINGS I, LLC
Street Address:	2825 AIRVIEW BOULEVARD
City:	KALAMAZOO
State/Country:	MICHIGAN
Postal Code:	49002

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15649903

CORRESPONDENCE DATA

Fax Number: (908)654-7866

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: 9086545000

Email: ASSIGNMENT@LERNERDAVID.COM

LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP **Correspondent Name:**

Address Line 1: 600 SOUTH AVE W

Address Line 4: WESTFIELD, NEW JERSEY 07090

ATTORNEY DOCKET NUMBER:	SPINE.9156
NAME OF SUBMITTER:	JACLYN RICCI
SIGNATURE:	/JACLYN RICCI/
DATE SIGNED:	06/13/2018

Total Attachments: 4

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> **PATENT** REEL: 046067 FRAME: 0207 504957346

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PATENT REEL: 046067 FRAME: 0208

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Attorney, Docket No.	SPINE 3.0F-626	
Title of the Invention ("Invention")	SPINAL FIXATION ASSEMBLY	
Legal Name of Inventor		
("Inventor")	Joshua Stein	Making a literia de la companya de comp
Assignee ("Assignee")	Stryker European Holdings I, LLC, incorporated in Kalamaz Airview Boulevard; Kalamazoo, Michigan 49002	oo, Michigan, and having a place of business at 2825
	<u>DECLARATION</u>	
As named inventor, I hereby declare th	at:	
This declaration is directed to:		
The attached App	leation	
OR_ [X_] United States App	lication Number or PCT International Application Number July 14, 2017	15/649,903
	was made or authorized to be made by me;	
	-	ave identified Application; and
	or an original joint inventor of a claimed invention in the ab	
that I hereby acknowledge that any will more than five (5) years, or both.	ful false statement made in this declaration is punishable t	inder 18 U.S.C. 1001 by fine or imprisonment of not
	ASSIGNMENT	
	ARATION, WHEREAS the Assignee is desirous of acquiright, title and interest in the above-identified Application.	ing, or has acquired and is desirous of memorializing
priority to or benefit of the Application do assign, to Assignee the right to clai in the Application to a third party. I her to Assignee all patents resulting from further remuneration, to execute and dobe reasonably required to evidence of herein in its sole discretion. I agree the provisions hereof. If any provision hereoffending portions thereof shall be deprovision.	lificate following Inter Partes Review, certificate following bursuant to any law or treaty, and any patent issuing from a such priority or benefit. I have not previously conveyed eby authorize the U.S. Patent and Trademark Office, and he Application and to record Assignee's ownership thered eliver documents prepared at Assignee's expense and to protect Assignee's rights in the Application. Assignee at the Assignee may affix its signature to this document in is unenforceable, the requirements of the provision shapemed replaced, to the extent possible, with a provision	any of the foregoing. I agree to assign, and hereby, nor am I aware of an obligation to convey, my rights any other governmental agency in the world, to issue of. At Assignee's reasonable request I agree, without provide other cooperation, such as testimony, as may assign or transfer all or part of its rights set forth as well as any other indicia of its acceptance of the dI remain to the full extent permissible by law and the most closely reflecting the purpose of the offending
July 15, 2016, and in the invention d	assignee all of my right, title and interest in United Stat sclosed thereto in all countries of the world including th to any law or treaty in the countries of the world.	es Provisional Application No. <u>62/362.690</u> , filed e right to claim priority or benefit of said
And I do hereby authorize my attorne	ys, to insert on this deed the filing date and application	number of said application when known.
<u> </u>		- Application
(Date)	Joshba S	ein
	WARNING	
According to 37 C.F.R. 1.63 (c), "[a] persapplication, including claims and is aware	on may not execute an oath or declaration unless the person h of the duty to disclose to the Office all information known to b	nas reviewed and understands the contents of the ne material to patentability as defined in 1.56."
State of)	ss:	
County of <u>Sergman</u>)		
On this 18 of Acct, 20/A executed the foregoing instrument with the rein set forth.	before me personally came above-named Joshua Stein ho acknowledged to me that the same was executed to CHAEL ARAJ *UBLIC OF NEW JERSEY D. # 50025075 ***********************************	n, to me personally known as the individual who by him/her of his/her own free will for the purposes
· · · · · · · · · · · · · · · · · · ·	ř.	

An Application Data Sheet (PTO/SB/14 or Equivalent) naming the entire inventiveness entity must accompany this form unless previously submitted.

Attorney, Docket No.	SPINE 3.0F-626
Title of the Invention ("Invention")	SPINAL FIXATION ASSEMBLY
Legal Name of Inventor	Change E. Manua
("Inventor") Assignee ("Assignee")	Steven F. Krause Stryker European Holdings I, LLC, incorporated in Kalamazoo, Michigan, and having a place of business at 2825
, bolgilos (Tabiglios)	Airview Boulevard; Kalamazoo, Michigan 49002
	DECLARATION
As named inventor, I hereby declare that	t:
This declaration is directed to: X The attached Appli	cation
OR	45/94999
∦_X] United States Appl filed on Ju	cation Number or PCT International Application Number 15/649,903
that the above-identified Application Is/w	ras made or authorized to be made by me;
that I believe I am the original inventor o	r an original joint inventor of a claimed invention in the above-identified Application; and
that I hereby acknowledge that any willfumore than five (5) years, or both.	al false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not
	<u>ASSIGNMENT</u>
IN ADDITION TO MAKING THIS DECLA its acquisition further herein, my entire ri	ARATION, WHEREAS the Assignee is desirous of acquiring, or has acquired and is desirous of memorializing ght, title and interest in the above-identified Application.
Assignee my entire right, title and inter inventions, discoveries and other subject substitute, reissue, re-examination certipriority to or benefit of the Application pedo assign, to Assignee the right to claim in the Application to a third party. I here to Assignee all patents resulting from the further remuneration, to execute and deliphere in its sole discretion. I agree that provisions hereof. If any provision herein offending portions thereof shall be deep provision.	able consideration the receipt of which is hereby acknowledged. I agree to assign, and hereby do assign, to est in and to the Application in the United States of America and all other countries, including any and all act matter described therein, any divisional, continuation, continuation-in-part, conversion, non-provisional, ficate following Inter Partes Review, certificate following. Post Grant Review, all other applications claiming ursuant to any law or treaty, and any patent issuing from any of the foregoing. I agree to assign, and hereby such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights by authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue a Application and to record Assignee's ownership thereof. At Assignee's reasonable request I agree, without iver documents prepared at Assignee's expense and to provide other cooperation, such as testimony, as may protect Assignee's rights in the Application. Assignee may assign or transfer all or part of its rights set forth to the Assignee may affix its signature to this document as well as any other indicia of its acceptance of the is unenforceable, the requirements of the provision shall remain to the full extent permissible by iaw and the med replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending assignee all of my right, title and interest in United States Provisional Application No. 62/362.690, filed
July 15, 2016, and in the invention dis-	closed thereto in all countries of the world including the right to claim priority or benefit of said or any law or treaty in the countries of the world.
And I do hereby authorize my attorney	rs, to insert on this deed the filing date and application number of said application when known.
Aug 17, 2017	Steven F. Krause
According to 37 C.F.R. 1.63 (c), "[a] persor	warning may not execute an oath or declaration unless the person has reviewed and understands the contents of the fithe duty to disclose to the Office all information known to be material to patentability as defined in 1.56."
State of New Secrety	_) SS:
County of <u>(Secsers</u>)	
who executed the loregoing instrumen ourposes therein set/forth.	efore me personally came above-named Steven F. Krause, to me personally known as the individual t, who acknowledged to me that the same was executed by him/her of his/her own free will for the CKAEL ARAJ UBLIC OF NEW JERSEY 1. # \$0025075 Seion Expires 10/19/2020

An Application Data Sheet (PTO/SB/14 or Equivalent) naming the entire inventiveness entity must accompany this form unless previously submitted.

Attorney, Docket No.	SPINE 3.0F-626
Fitte of the Invention ("Invention")	SPINAL FIXATION ASSEMBLY
egal Name of Inventor	Anthony I Wind III
("Inventor") Assignee ("Assignee")	Anthony J. Wirtel, III Stryker European Holdings I, LLC, incorporated in Kalamazoo, Michigan, and having a place of business at 2825
Assignee (Assignee)	Airview Boulevard; Kalamazoo, Michigan 49002
	<u>DECLARATION</u>
As named inventor, I hereby declare that	ut:
This declaration is directed to: x The attached Appli	ication
OR_	4 T (0 40 000
X United States Appl filed on Jul	lication Number or PCT International Application Number 15/649,903 y 14, 2017
hat the above-identified Application is/v	vas made or authorized to be made by me;
hat I believe I am the original inventor o	or an original joint inventor of a claimed invention in the above-identified Application; and
	ul false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not
more than five (5) years, or both.	<u>ASSIGNMENT</u>
	ARATION, WHEREAS the Assignee is desirous of acquiring, or has acquired and is desirous of memorializing ight, title and interest in the above-identified Application.
Assignee my entire right, title and intenventions, discoveries and other subjuditions, discoveries and other subjuditions, discoveries and other subjuditions, discoveries and other subjuditions, do assign, to Assignee the right to claim in the Application to a third party. I here to Assignee all patents resulting from the following the remuneration, to execute and do reasonably required to evidence or merein in its sole discretion. I agree the provisions hereof. If any provision hereoffending portions thereof shall be desprovision. It, as assignor, hereby assign to said a July 15, 2016, and in the invention distribution of the provision discretion distribution distribution of the provision discretion distribution distribut	uable consideration the receipt of which is hereby acknowledged. I agree to assign, and hereby do assign, to rest in and to the Application in the United States of America and all other countries, including any and all ect matter described therein, any divisional, continuation, continuation-in-part, conversion, non-provisional, ifficate following Inter Partes Review, certificate following Post Grant Review, all other applications claiming bursuant to any law or treaty, and any patent issuing from any of the foregoing. I agree to assign, and hereby in such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights eaby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue the Application and to record Assignee's ownership thereof. At Assignee's reasonable request I agree, without eliver documents prepared at Assignee's expense and to provide other cooperation, such as testimony, as may protect Assignee's rights in the Application. Assignee may assign or transfer all or part of its rights set forth at the Assignee may affix its signature to this document as well as any other indicia of its acceptance of the in is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the emed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending assignee all of my right, title and interest in United States Provisional Application No. 62/362,690, filed seclosed thereto in all countries of the world including the right to claim priority or benefit of said to any law or treaty in the countries of the world
	to any law or treaty in the countries of the world.
And I do hereby authorize my attorne (Date)	ys, to insert on this deed the filing date and application number of said application when known. Anthony J. Wirtel, III WARNING
According to 37 C.F.R. 1.63 (c), "[a] perso application, including claims and is aware	on may not execute an oath or declaration unless the person has reviewed and understands the contents of the of the duty to disclose to the Office alkinformation known to be material to patentability as defined in 1.56."
State of	_) SS:
County of)	
On this of, l who executed the foregoing instrume ourposes therein set forth.	before me personally came above-named Anthony J. Wirtel, III, to me personally known as the individual nt, who acknowledged to me that the same was executed by him/her of his/her own free will for the
Notary Public	

An Application Data Sheet (PTO/SB/14 or Equivalent) naming the entire inventiveness entity must accompany this form unless previously submitted.

Attorney, Docket No.	SPINE 3.0F-626
Fitle of the Invention ("Invention")	SPINAL FIXATION ASSEMBLY
egal Name of Inventor ("Inventor")	Charles Rush Ir
Assignee ("Assignee")	Charles L. Bush, Jr. Stryker European Holdings I, LLC, incorporated in Kalamazoo, Michigan, and having a place of business at 2825
Assignee (Assignee)	Airview Boulevard; Kalamazoo, Michigan 49002
	<u>DECLARATION</u>
As named inventor, I hereby declare that	.t:
This declaration is directed to: The attached Appli	ingtion
OR	Cation
[X] United States Appl filed onJuly 1	ication Number or PCT International Application Number 15/649,903
	vas made or authorized to be made by me;
hat I believe I am the original inventor o	or an original joint inventor of a claimed invention in the above-identified Application; and
hat I hereby acknowledge that any willfi nore than five (5) years, or both.	ul false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not
	<u>ASSIGNMENT</u>
	ARATION, WHEREAS the Assignee is desirous of acquiring, or has acquired and is desirous of memorializing light, title and interest in the above-identified Application.
Assignee my entire right, title and internventions, discoverles and other subject by the content of the Application property to or benefit of the Application property to assign, to Assignee the right to claim in the Application to a third party. I here to Assignee all patents resulting from the urther remuneration, to execute and decreasonably required to evidence or berein in its sole discretion. I agree the provisions hereof. If any provision hereinfeeding portions thereof shall be decreasonable.	table consideration the receipt of which is hereby acknowledged. I agree to assign, and hereby do assign, to rest in and to the Application in the United States of America and all other countries, including any and all ect matter described therein, any divisional, continuation, continuation-in-part, conversion, non-provisional, ifficate following Inter Partes Review, certificate following Post Grant Review, all other applications claiming pursuant to any law or treaty, and any patent issuing from any of the foregoing. I agree to assign, and hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue the Application and to record Assignee's ownership thereof. At Assignee's reasonable request I agree, without diver documents prepared at Assignee's expense and to provide other cooperation, such as testimony, as may protect Assignee's rights in the Application. Assignee may assign or transfer all or part of its rights set forth at the Assignee may affix its signature to this document as well as any other indicia of its acceptance of the n is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the smed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending
July 15, 2016, and in the invention dis	assignee all of my right, title and interest in United States Provisional Application No. <u>62/362,690</u> , filled aclosed thereto in all countries of the world including the right to claim priority or benefit of said to any law or treaty in the countries of the world.
And I do hereby authorize my attorner	ys, to insert on this deed the filing date and application number of said application when known. Charles L. Bush, Jr.
(Date)	WARNING
	n may not execute an oath or declaration unless the person has reviewed and understands the contents of the of the duty to disclose to the Office all information known to be material to patentability as defined in 1.56."
State of New Serry) SS :
County of <u>Gargary</u>)	
who executed the foregoing instrume ourposes therein set forth.	perfore me personally came above-named Charles L. Bush, Jr., to me personally known as the individual mit, who acknowledged to me that the same was executed by him/her of his/her own free will for the MICHAEL ARAJ PUBLIC OF NEW JERSEY I.D. # 50025075

An Application Data Sheet (PTO/SB/14 or Equivalent) naming the entire inventiveness entity must accompany this form unless previously submitted.

RECORDED: 06/13/2018

PATENT REEL: 046067 FRAME: 0212