PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4907992

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ADAM JOHN EDELHAUSER	05/17/2016
ASHISH GANGWAR	01/04/2018
SRIDHAR ANJANAPPA	10/13/2017
SUBASH K. MANNANAL	10/12/2017
PATRICK VALLI	10/12/2017

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:	15948055

CORRESPONDENCE DATA

Fax Number: (908)654-0415

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: (908) 518-6335

Email: assignment@lernerdavid.com

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

Address Line 1: 600 SOUTH AVENUE WEST

Address Line 4: WESTFIELD, NEW JERSEY 07090

ATTORNEY DOCKET NUMBER:	TRAUMA 3.0F-849 CON II
NAME OF SUBMITTER:	KATHLEEN REYNOLDS
SIGNATURE:	/Kathleen Reynolds/
DATE SIGNED:	04/10/2018

Total Attachments: 5

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PATENT REEL: 045493 FRAME: 0388

COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET Attorney, Docket No. TRAUMA 3.0F-849 **RING HOLE PLANNING FOR EXTERNAL FIXATION FRAMES** Title of the Invention ("invention") egal Name of Inventor/Assignor Ashish Genowar ("Inventor/Assignor") Stryker European Holdings I. LLC, limited liability company incorporated under the laws of the State of Delaware, having its principal place of business at 2825 Airview Boulevard, Kalamazoo, MI 49002, United States of America, acting in its capacity as sole general partner of STRYKER EUROPEAN TECHNOLOGIES C.V., a Assignee ("Assignee") limited parinership established under the laws of the Netherlands ("commanditaire vennootschap"), having its registered office at Canon's Court, 22 Victoria Street, Hamilton, HM 12, Bermuda. DECLARATION As named inventor, I hereby declare that: this declaration is directed to: The attached Application United States Application Number or PCT International Application Number 15/133,649 X 4/20/2016 flied on the above-identified Application is/was made or authorized to be made by me; (II) (III) I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified Application; and I hereby acknowledge that any withul 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. WHEREAS, Assignor wishes to assign to Assignee, and Assignee wishes to acquire, the entire right, title, and interest to the invention and the Application; NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, Assignor hereby sells, assigns, transfers and sets over to Assignee, and Assignee hereby accepts, the entire right, title and interest, for the United States of America and all original, divisional, continuation, continuation-in-part, substitute or relasue applications and patents applied for or granted therefor in the United States of America and all other countries for the Invention, including without limitation all applications and patents for the Invention claiming priority or benefit of the Application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit, and the Commissioner of Patents and Trademarks and the Patent Office officials in foreign countries as are duly authorized by the respective foreign patent laws to issue patents are hereby authorized and requested to issue all patents on said improvements or resulting therefrom to Assignee, as assignee of the entire interest therein; and the Assignor does hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, continuation-in-part, relacue and other applications for Letters Patent on the Invention and all assignments thereof to testify in any interferences or other legal proceedings in which the Application and any related applications or patents may become involved, to sign all to testify in any interferences or other legal proceedings in which the Application and any related applications or petents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid Assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by Assignee. Assignor does hereby authorize the attorneys of Assignee and their assigns to insert on this Assignment the filing date and application number of said Application when known. i, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. ("Provisional(s)"), and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of the Provisional(s) pursuant to any law or treaty in the countries of the world. WARNING: According to 37 C.F.R. 1.63 (c), "[a] person may not execute an oath or declaration unless the person has reviewed and understands the contents of the application, including claims and is aware of the duty to disclose to the Office all information known to be material to patentability as defined in 1.56." ASSIGNEE **ASSIGNOR** Printed: 10 20 <u>asish gangmak</u> STACE ENGINEER Date: 04 JAN 2018 STATE OF N % STATE OF COUNTY OF The person whose name is subscribed to the accompanying instrument is personally known to me or has proved higher identity to as on the basis of satisfactory evidence. On he/she appeared before me and acknowledged that he/she has read the COUNTY OF The person whose name is subscribed to the accompanying instrument is personally known to me or has proved his/her identity to me on the basis of satisfactory evidence. On he/she appeared before me and acknowledged that he/she has read the accompanying instrument and knows the contents thereof, and that he/she executed the same as their free act and dead for the purposes set forth therein. It accompanying instrument and knows the contents thereof, and that he/she executed the same as their tree act and deed for the purposes set forth therein. If executed the same as their tree and and deed for the purposes set form therein. It having the secting on behalf of an entity, he/she size acknowledged that the/she executed the accompanyles instrument in his/her authorized capanity, and that by his/her signature on the instrument, the entity executed the same. NOTARY PUBLIC Realding at he/she is acting on behalf of an entity, he/she also acknowledged that he/she executed the accompanying instrument in his/her authorized capacity, and that by his/her signature on the instrument, the entity executed the same. NOTARY PUBLIC Residing at ____ tay Commission Expline: My Commission Expires:

COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET

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Attorney, Docket No.	TRAUMA 3.0F-849	
Title of the Invention ("Invention")	RING HOLE PLANNING FOR EXTE	BNAL FIXATION FRAMES
Legal Name of Inventor/Assignor ("Inventor/Assignor")	Subash K. Mannanal	
Assignee ("Assignee")	Delaware, having its principal place of America, acting in its capacity a limited partnership established und	<u>C</u> , limited liability company incorporated under the laws of the State of of business at 2825 Airview Boulevard, Kalamazoo, MI 49002, United States s sole general partner of STRYKER EUROPEAN TECHNOLOGIES C.V., a er the laws of the Netherlands ("commanditaire vennootschap"), having its 2 Victoria Street, Hamilton, HM 12, Bermuda.
	DECLA	RATION
As named inventor, I hereby declare that (i) this declaration is directed to:	:	
The attached Appl	cation	
OR		
	ication Number or PCT International A	pplication Number 15/133,649
 (iii) I believe I am the original inve (iv) I hereby acknowledge that an more than five (5) years, or both. WHEREAS, Assignor wishes to as 	n is/was made or authorized to be mad ntor or an original joint inventor of a cla y willful false statement made in this o	de by me; aimed invention in the above-identified Application; and leclaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not thes to acquire, the entire right, title, and interest to the Invention and the
transfers and sets over to Assignee, and in and to the Invention and the Application for or granted therefor in the United Stat Invention claiming priority or benefit of the tright to sue for and collect the same priority or benefit, and the Commission respective foreign patent laws to issue Assignee, as assignee of the entire interest all original, divisional, continuation, con Assignee or its assigns, to communicate to testify in any interferences or other leawful papers, make all rightful oaths, a	Assignee hereby accepts, the entire representation and all original, divisional, continuates of America and all other countries for the Application pursuant to any law or the Application pursuant to any law or the for its own use and the use of its succept of Patents and Trademarks and the patents are hereby authorized and reset therein; and the Assignor does he tinuation-in-part, reissue and other application and the Application of the Applicati	adequacy of which are hereby acknowledged, Assignor hereby sells, assigns, ight, title and interest, for the United States of America and all other countries, ion, continuation-in-part, substitute or reissue applications and patents applied or the Invention, including without limitation all applications and patents for the eaty, and including all claims for damages by reason of past infringement with essors, assigns and legal representatives, and including the right to claim such the Patent Office officials in foreign countries as are duly authorized by the equested to issue all patents on said improvements or resulting therefrom to reby agree and covenant without further remuneration, to execute and deliver plications for Letters Patent on the Invention and all assignments thereof to facts known to the undersigned respecting the Invention, whenever requested, tion and any related applications or patents may become involved, to sign all early to aid Assignee, its successors, assigns and nominees to obtain patent applications to be borne and paid by Assignee.
Assignor does hereby authorize the Application when known.	attorneys of Assignee and their assig	ns to insert on this Assignment the filing date and application number of said
I, as assignor, hereby assign to said ass filed("I	Provisional(s)"), and in the invention di	in United States Provisional Application No, sclosed thereto in all countries of the world including the right to claim priority
or benefit of the Provisional(s) pursuant	to any law or treaty in the countries of	the world.
		in oath or declaration unless the person has reviewed and understands the se to the Office all information known to be material to patentability as defined
By: SVBASH K. M.	March	By: Printed: // Assort Date: // OCT / OSTATE OF NY)
COUNTY OF The person whose name is subscribe personally known to me or has proved satisfactory evidence. On he/she appeared before me and ack accompanying instrument and knows executed the same as their free act and che/she is acting on behalf of an entity, executed the accompanying instrument in his/her signature on the instrument, the entity has been supported by the same as their free act and che/she is acting on behalf of an entity, executed the accompanying instrument in his/her signature on the instrument, the entity has been supported by the same actions.	d to the accompanying instrument is his/her identity to me on the basis of nowledged that he/she has read the contents thereof, and that he/she leed for the purposes set forth therein. If he/she also acknowledged that he/she his/her authorized capacity, and that by	COUNTY OF COUNTY
	iden Erriten 77817013	NOTARY PUBLIC OF NEW JERSEY

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COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET

		ON DATA SINECT		
Attorney, Docket No.	TRAUMA 3.0F.649		er (de la compressión de la co	
Title of the Invention ("invention")	BING HOLE PLANNING FOR EXT	<u>ERNAL FIXATION FRAN</u>	BES	
Legal Name of Inventor/Assignor ("Inventor Assignor")	Sciothar Artistiscopa			,
Assignee ("Assignee")	Of America, acting in its remain.	as sole general partner	apany incorporated under the laws of the view Boulevard, Kalamazoo, MI 49002, Unite of STRYKER EUROPEAN TECHNOLOGIES nertands ("commanditaire vennootschap"), hon, HM 12, Bermuda.	nd States I
As named inventor, I hereby declare that (i) this declaration is directed to:	RECLA	MOITABL		
The strached Applie	Cation			
(ii) the above identified Anniestics	CONCORD BANKS		15/133,649	
			ove-identified Application; and	
more than five (5) years, or both.	reserve to se promote till 11/806 til 11/8 (declaration is punishable	under 18 U.S.C. 1001 by fine or imprisonme	nt of not
WHEREAS, Assignor wishes to ass Application:	sign to Assignee, and Assignee wis	shes to acquire, the enti	re right, title, and interest to the Invention	and the
in and to the invention and the Application for or granted therefor in the United State Invention claiming priority or benefit of the the right to sue for and collect the same for priority or benefit, and the Commissione respective foreign patent laws to issue passignee, as assignee of the entire interest original, divisional, certifucation, continuation, cartifucation and interferences or other legistry in any interf	n and all original, divisional, continuals of America and all other countries to application pursuant to any law or took the own use and the use of its success of Patents and Trademarks and reatents are hereby authorized and rest therein; and the Assignor does he nuation-in-part, reissue and other agon a proceedings in which the Application to do generally everything necessuratives, the expenses incident to said attorneys of Assignee and their assignee all of my right, title and interest rovisional(s)"), and in the invention of any law or treaty in the countries of	tion, continuation-in-part, for the Invention, including all cheeses, assigns and legal essens, assigns and legal essens, assigns and legal essens, assigns and legal patereby agree and covenan oplications for Letters Pafacts known to the undernation and any related appsary to aid Assignee, its applications to be borne and to insert on this Assigns to insert on this Assigning to insert on this Assigning the United States Provision is United States Provision is to world.	inment the filing date and application number	ountries, applied so for the lent with lim such i by the afrom to i deliver ereof to quested, sign all n patent of said
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Date: 13-0/1-20/3	***************************************	Date:	(1)	
STATE OF)		STATE OF		
COUNTY OF)		COUNTY OF)		1
The person whose name is subscribed personally known to me or has proved h		CONTROLLER KNOWN TO MA	e is subscribed to the accompanying instrume or has proved his/her (dentity to me on the bas	ntis isof
satisfactory evidence. On he/she appeared before me and acknowledge.		ha/she appeared before	The and acknowledged that beloke has see	
executed the same as they free sct and deed for the purposes set with therein it executed the same as they free sct and deed for the purposes set with therein it executed the same as they free sct and deed for the purposes set with therein it.				
he/she is acting on behalf of an entity, he executed the accompanying instrument in h	is/her authorized capacity, and that by	executed the accompanying	of an entity, he/she also acknowledged that he	
his/her signature on the instrument, the entity	y executed the same	his/her signature on the ins	frument, the entity executed the same	
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COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET Attorney, Docket No. TRAUMA 3.0F-849 Title of the Invention ("Invention") RING HOLE PLANNING FOR EXTERNAL FIXATION FRAMES Legal Name of Inventor/Assignor Patrick Valli ("Inventor/Assignor") Assignee ("Assignee") Stryker European Holdings I, LLC, limited liability company incorporated under the laws of the State of Delaware, having its principal place of business at 2825 Airview Boulevard, Kalamazoo, MI 49002, United States of America, acting in its capacity as sole general partner of STRYKER EUROPEAN TECHNOLOGIES C.V., a limited partnership established under the laws of the Netherlands ("commanditaire vennootschap"), having its registered office at Canon's Court, 22 Victoria Street, Hamilton, HM 12, Bermuda. DECLARATION As named inventor, I hereby declare that: this declaration is directed to: The attached Application OR United States Application Number or PCT International Application Number 15/133,649 filed on 4/20/2016 the above-identified Application is/was made or authorized to be made by me; I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified Application; and (iii) I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not (iv) more than five (5) years, or both. WHEREAS, Assignor wishes to assign to Assignee, and Assignee wishes to acquire, the entire right, title, and interest to the Invention and the Application; NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, Assignor hereby sells, assigns, transfers and sets over to Assignee, and Assignee hereby accepts, the entire right, title and interest, for the United States of America and all other countries, in and to the Invention and the Application and all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries for the Invention, including without limitation all applications and patents for the Invention claiming priority or benefit of the Application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit, and the Commissioner of Patents and Trademarks and the Patent Office officials in foreign countries as are duly authorized by the respective foreign patent laws to issue patents are hereby authorized and requested to issue all patents on said improvements or resulting therefrom to Assignee, as assignee of the entire interest therein; and the Assignor does hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, continuation-in-part, reissue and other applications for Letters Patent on the Invention and all assignments thereof to Assignee or its assigns, to communicate to Assignee or its representatives all facts known to the undersigned respecting the Invention, whenever requested, to testify in any interferences or other legal proceedings in which the Application and any related applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid Assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by Assignee. Assignor does hereby authorize the attorneys of Assignee and their assigns to insert on this Assignment the filling date and application number of said Application when known. I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. ("Provisional(s)"), and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of the Provisional(s) pursuant to any law or treaty in the countries of the world. WARNING: According to 37 C.F.R. 1.63 (c), "[a] person may not execute an oath or declaration unless the person has reviewed and understands the contents of the application, including claims and is aware of the duty to disclose to the Office all information known to be material to patentability as defined ASSIGNOR ASSIGNEE Printed: Patrick R. Valli Printed: Sales Representative Title: Date: 10/12/2017 Date: STATE OF New Jersey) STATE OF NO COUNTY OF United States) COUNTY OF SCHOOL) The person whose name is subscribed to the accompanying instrument is The person whose name is subscribed to the accompanying instrument is personally known to me or has proved his/her identity to me on the basis of personally known to me or has proved his/her identity to me on the basis of satisfactory evidence. On the he/she appeared before me and acknowledged that he/she has read the satisfactory evidence. On he/she appeared before me and acknowledged that he/she has read the accompanying instrument and knows the contents thereof, and that he/she executed the same as their free act and deed for the purposes set forth therein. If accompanying instrument and knows the contents thereof, and that he/she executed the same as their free act and deed for the purposes set forth therein. If he/she is acting on behalf of an entity, he/she also acknowledged that he/she executed the accompanying instrument in his/her authorized capacity, and that by he/she is acting on behalf of an entity, he/she also acknowledged that he/she executed the accompanying instrument in his/her authorized capacity, and that by his/her signature on the instrument, the entity executed the same. his/her signature on the instrument, the entity executed the same. NOTARY PURCE NOTARY PUBLIC Residing at _____ Residing at 1955 My Commission Expires: My Commission Expires: ASHLEY N. SACERNO NOTARY PUBLIC OF NEW JERSEY

REEL: 045500 FRAME: 0392

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COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET

Attorney, Docket No.	TRAUMA 3.0F-849
Title of the Invention ("Invention")	RING HOLE PLANNING FOR EXTERNAL FIXATION FRAMES
Legal Name of Inventor	Adam Jaka Calalla a
("Inventor") Assignee ("Assignee")	Adam John Edelhauser
Assignee (Assignee)	Stryker European Holdings I, LLC, incorporated in Michigan, and having a place of business at 2825 Airview Boulevard; Kalamazoo, Michigan 49002
	DECLARATION
As named inventor, I hereby declare tha	t:
This declaration is directed to: The attached Appli	cotion
OR	CALIOII
x United States Appl	cation Number or PCT International Application Number <u>15/133,649</u> 0, 2016
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 willfa more than five (5) years, or both.	of false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not
	ASSIGNMENT
	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 subjesubstitute, reissue, re-examination certipriority to or benefit of the Application p do 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 de be reasonably required to evidence or herein in its sole discretion. I agree the provisions hereof. If any provision herein	able 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 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 aby 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 liver 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 insument of the requirements of the provision shall remain to the full extent permissible by law and the med replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending
5/17/16	Carles - Car
(Date)	Adam John Edelhauser
According to 37 C.F.R. 1.63 (c), "[a] person application, including claims and is aware of State of New Terson	WARNING In may not execute an eath 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." () SS:
County of MORRIS)	
On this 17th of MAY 2019	

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

PATENT REEL: 04**55**00 FRAME: 0**393**

RECORDED: 04/08/2018