

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6610333

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHRISTIAN KARL SCHULTZ	07/19/2018
JASON H. STEINKE	05/23/2018
STEVEN WILLIS	07/19/2019
JUSTYNA ZIELINSKA	06/12/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	STRYKER EUROPEAN HOLDINGS I, LLC
<b>Street Address:</b>	2825 AIRVIEW BOULEVARD
<b>City:</b>	KALAMAZOO
<b>State/Country:</b>	MICHIGAN
<b>Postal Code:</b>	49002
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17158599
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(908)654-7866
<i>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.</i>	
<b>Phone:</b>	(908) 654-5000
<b>Email:</b>	assignment@lerner david.com
<b>Correspondent Name:</b>	LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP
<b>Address Line 1:</b>	20 COMMERCE DR.
<b>Address Line 4:</b>	CRANFORD, NEW JERSEY 07016
<b>ATTORNEY DOCKET NUMBER:</b>	SPINE 3.0F-637 DIV
<b>NAME OF SUBMITTER:</b>	KATHLEEN REYNOLDS
<b>SIGNATURE:</b>	/Kathleen Reynolds/
<b>DATE SIGNED:</b>	03/19/2021
<b>Total Attachments: 4</b>	
source=Assignment#page1.tif	
source=Assignment#page2.tif	
source=Assignment#page3.tif	



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

Attorney, Docket No. SPINE 3.0F-637

Title of the Invention ("Invention") SPINAL IMPLANT SYSTEM

Legal Name of Inventor/Assignor Christian Karl Schultz  
("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:

(i) this declaration is directed to:

☐

The attached Application

OR

☒

United States Application Number or PCT International Application Number

15/938,139

filed on 3/28/2018

(ii) the above-identified Application is/was made or authorized to be made by me;

(iii) I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified Application; and

(iv) 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 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 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. 62/478,162, filed 3/29/2017 ("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."

**ASSIGNOR**

By: 

Printed: Christian Schultz

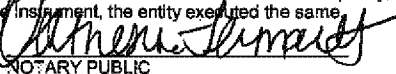
Title: Project Engineer

Date: 04 JUN 2018

STATE OF NJ )

COUNTY OF Bergen )

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 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 his/her signature on the instrument, the entity executed the same.

  
NOTARY PUBLIC  
Residing at \_\_\_\_\_

CATHERINE M. FERMANET  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires April 1, 2023

**ASSIGNEE**

By: 

Printed: Joe Mucci

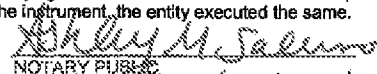
Title: IP Agent

Date: 19 July 2018

STATE OF NJ )

COUNTY OF Bergen )

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 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 his/her signature on the instrument, the entity executed the same.

  
NOTARY PUBLIC  
Residing at \_\_\_\_\_

My Commission Expires: \_\_\_\_\_

ASHLEY M. SALERNO  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires July 23, 2018

PATENT

REEL: 055645 FRAME: 0567

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

Attorney, Docket No. SPINE 3.0F-637

Title of the Invention ("Invention") SPINAL IMPLANT SYSTEM

Legal Name of Inventor/Assignor Jason Steinke  
("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:

(i) this declaration is directed to:

☐ The attached Application

OR

☒ United States Application Number or PCT International Application Number 15/938,139

filed on 3/28/2018

(ii) the above-identified Application is/was made or authorized to be made by me;

(iii) I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified Application; and

(iv) 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 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 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. 62/478,162, filed 3/29/2017 ("Provisional(s)"), and in the invention disclosed thereon 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."

**ASSIGNOR**

By: Jason Steinke

Printed: Jason Steinke

Title: Project Engineer

Date: 23 MAY 2018

STATE OF New Jersey : ss.

COUNTY OF Bergen

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 May 23, 2018 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 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

**CYNTHIA MOLLO**  
NOTARY PUBLIC, STATE OF NEW JERSEY  
ID NO. 5006202

MY COMMISSION EXPIRES 11/17/19

**ASSIGNEE**

By: Del F. Millets

Printed: Del F. Millets

Title: IP Agent

Date: 23 May 2018

STATE OF NJ : ss.

COUNTY OF Bergen

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 May 23, 2018 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 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

**ASHLEY M. SALERNO**  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires 7/31/2018

PATENT

REEL: 055645 FRAME: 0568

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

Attorney, Docket No. SPINE 3.0F-637

Title of the Invention ("Invention") SPINAL IMPLANT SYSTEM

Legal Name of Inventor/Assignor Steven Willis  
("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:

(i) this declaration is directed to:

☐ The attached Application

OR

☒ United States Application Number or PCT International Application Number

15/938,133

filed on 3/28/2018

(ii) the above-identified Application is/was made or authorized to be made by me;

(iii) I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified Application; and

(iv) 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 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 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. 62/478,162, filed 3/29/2017 ("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."

**ASSIGNOR**

By: [Signature]  
Printed: STEVEN WILLIS  
Title: SENIOR MANAGER  
Date: 06/22/18  
STATE OF NEW JERSEY

COUNTY OF Bergen

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 JULY 24 2018 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 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

CYNTHIA MOLLO

My Commission Expires NOTARY PUBLIC, STATE OF NEW JERSEY

I.D. NO. 50006202

MY COMMISSION EXPIRES 11/17/2019

**ASSIGNEE**

By: [Signature]  
Printed: Joe. M. Mott  
Title: IT Mgr  
Date: 11 July 2019  
STATE OF NJ

COUNTY OF  Bergen

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 7/19/19 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 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 DAVID LEE

My Commission Expires NOTARY PUBLIC OF NEW JERSEY

Comm. # 50083647

My Commission Expires 6/1/2023

**PATENT**

REEL: 055645 FRAME: 0569

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

Attorney, Docket No. SPINE 3.0F-637

Title of the Invention ("Invention") Spinal Implant System

Legal Name of Inventor/Assignor ("Inventor/Assignor") Justyna Zielinska

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:

(i) this declaration is directed to:

☐ The attached Application

OR

☒ United States Application Number or PCT International Application Number 15/938,139  
filed on March 28, 2018

(ii) the above-identified Application is/was made or authorized to be made by me;

(iii) I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified Application; and

(iv) 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 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 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. 62/478,162, filed March 29, 2017 ("Provisional"), and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of the Provisional 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."

**ASSIGNOR**

By: [Signature]

Printed: JUSTYNA ZIELINSKA

Title: SR. PROJECT ENGINEER

Date: 10-JUNE-19

STATE OF NJ

COUNTY OF UNION

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 6/10/19 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 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.

DAVID LEE MORRIS

NOTARY PUBLIC OF NEW JERSEY

My Commission Expires 50083647

My Commission Expires 01/2023

**ASSIGNEE**

By: [Signature]

Printed: JOEL MORRIS

Title: IP AGENT

Date: 12 June 2019

STATE OF NJ

COUNTY OF Bergen

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 6/12/19 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 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.

DAVID LEE MORRIS

NOTARY PUBLIC OF NEW JERSEY

My Commission Expires 50083647

My Commission Expires 01/2023

**PATENT**

RECORDED: 03/19/2021

REEL: 055645 FRAME: 0570