505048477 08/13/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5095230

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JUDITH FLOCK	02/28/2018
JOERN RICHTER	02/28/2018
JAN KLETT	02/28/2018
DANIEL THOMMEN	02/28/2018
MICHAEL WHITE	02/28/2018
STEPHANE GULLY	03/02/2018
VERONIQUE CHRISTINE ZOLLMANN	02/28/2018

RECEIVING PARTY DATA

Name:	SYNTHES GMBH
Street Address:	EIMATTSTRASSE 3
City:	OBERDORF
State/Country:	SWITZERLAND
Postal Code:	4436

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15786846

CORRESPONDENCE DATA

Fax Number:

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
Address Line 4:	BOSTON, MASSACHUSETTS 02210
Address Line 2:	SEAPORT WEST
Address Line 1:	155 SEAPORT BLVD
Correspondent Name:	NUTTER MCCLENNEN & FISH LLP
Email:	droller@nutter.com, Italzarano@nutter.com

ATTORNEY DOCKET NUMBER:	101896-1926 (MED5043USNP)
NAME OF SUBMITTER:	DEREK ROLLER
SIGNATURE:	/Derek Roller/
DATE SIGNED:	08/13/2018

	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 14	
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source=1926_SynthesGMBH_Dec#page	e2.tif
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source=1926_SynthesGMBH_Dec#page	e14.tif

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: DEVICES AND METHODS FOR SURGICAL RETRACTION

This declaration and assignment is directed to:

The attached or filed herewith application of (list of named inventors)_____

or

The United States application or PCT international application number <u>15/786,846</u> filed on <u>October 18, 2017</u>.

Declaration

As the below named inventor, I hereby declare that:

The above-identified application ("Application") was made or authorized by me.

I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application.

I have reviewed and understood the contents of the Application, including the claims, and I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this Application in the United States of America.

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 for filings of this Application in the United States of America.

Assignment

I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) which is hereby conformed for recordation in the US Patent Office.

\mathbf{or}

For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to:

Synthes GmbH Eimattstrasse 3, 4436 Oberdorf, Switzerland A corporation of the state or country of <u>Switzerland</u>

(hereinafter designated as the "Assignee"), my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

LEGAL NAME OF INVENTOR

3802454.1

J. Flock J. (Judith Flock)

Signature

<u>28.02.</u> 2018 Date

	Attorney Docket No.: 101896-1926 (MED5043USNP)
COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention: DEVICES AND METHOD	SEOD SUBGICAL DETRACTION
This declaration and assignment is directed to:	The attached or filed herewith application of (list of named inventors)
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	The United States application or PCT international application
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The above-identified application ("Applicat	ion") was made or authorized by me.
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I hereby acknowledge that any willful false imprisonment of not more than five (5) years, or both	e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or a for filings of this Application in the United States of America.
Assignment	
I hereby acknowledge that I have assigned hereby conformed for recordation in the US Patent C	d the above-identified invention by previous assignment (attached hereto) which is office.
or	
For good and valuable consideration, the assigned and transferred to:	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
	Synthes GmbH tstrasse 3, 4436 Oberdorf, Switzerland
	ation of the state or country of <u>Switzerland</u>
for other countries arising therefrom and the right to any and all Letters Patent of the United States, E inventions or discoveries, or any of them, all such provisionals, substitutions, divisions, and continuat discoveries, and in and to all extensions, supplemen- and enjoyed by Assignce for its own use and enjoym	e right, title, and interest in, to, and under the Application, including all priority rights claim priority to the Application, all inventions or discoveries therein disclosed, and Buropean Patent Office and of all other countries, which may be granted for such inventions or discoveries and all rights in such Application including any and all ions thereof, and to all Letters Patent that may be granted for said inventions and tary protection certificates, reexaminations, renewals, and reissues thereof, to be held ent to the full end of the term or terms for which such Letters Patent may be granted, id and enjoyed by me had this assignment and sale not been made.
Office, any other patent offices, and under the Paten any reexamination of any of such applications, an	th the Application in the United States Patent and Trademark Office, European Patent it Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, d any patent term extensions or supplementary protection certificates of any such ants in connection with such applications as the Assignee may deem necessary or

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I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

LEGAL NAME OF INVENTOR (Joern Richter)

Signature

3804165.1

	Attorney Docket No.: 101896-1926 (MED5043USNP)
COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention: <u>DEVICES AND METHOD</u> . This declaration and assignment is directed to:	
	The attached or filed herewith application of (list of named inventors),
or	
	The United States application or PCT international application number <u>15/786.846</u> filed on <u>October 18, 2017</u> .
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The above-identified application ("Applicat	tion") was made or authorized by me.
I believe that I am the original inventor or a	n original inventor of a claimed invention or discovery in the Application.
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I hereby acknowledge that I have assigned hereby conformed for recordation in the US Patent C	d the above-identified invention by previous assignment (attached hereto) which is office.
or	
For good and valuable consideration, the assigned and transferred to:	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
Eimat	Synthes GmbH <u>itstrasse 3, 4436 Oberdorf, Switzerland</u> ation of the state or country of <u>Switzerland</u>
(hereinafter designated as the "Assignee"), my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, recxaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.	
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I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

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I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

LEGAL NAME OF INVENTOR

Signature

e Jan Klett

28. FER. 2018 Date

3804167.1

	Attorney Docket No.: 101896-1926 (MED5043USNP)
COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention: DEVICES AND METHOD	S FOR SURGICAL RETRACTION
This declaration and assignment is directed to:	The attached or filed herewith application of (list of named inventors),
01	
\boxtimes	The United States application or PCT international application number <u>15/786,846</u> filed on <u>October 18, 2017</u> .
Declaration	
As the below named inventor, I hereby dec	are that:
The above-identified application ("Applica	tion") was made or authorized by me.
I believe that I am the original inventor or a	m original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood the conte information which is material to patentability as de this Application in the United States of America.	nts of the Application, including the claims, and I acknowledge the duty to disclose fined in Title 37, the United States Code of Federal Regulations, \$1.56 for filings of
I hereby acknowledge that any willful fais imprisonment of not more than five (5) years, or bot	e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or h for filings of this Application in the United States of America.
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For good and valuable consideration, the assigned and transferred to:	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
Eine	Synthes GmbH
	ttstrasse 3, 4436 Oberdorf, Switzerland ation of the state or country of <u>Switzerland</u>
for other countries arising therefrom and the right to any and all Letters Patent of the United States, I inventions or discoveries, or any of them, all such provisionals, substitutions, divisions, and continuat discoveries, and in and to all extensions, supplemen and enjoyed by Assignee for its own use and enjoyn	e right, title, and interest in, to, and under the Application, including all priority rights e claim priority to the Application, all inventions or discoveries therein disclosed, and European Patent Office and of all other countries, which may be granted for such inventions or discoveries and all rights in such Application including any and all ions thereof, and to all Letters Patent that may be granted for said inventions and tary protection certificates, reexaminations, renewals, and reissues thereof, to be held nent to the full end of the term or terms for which such Letters Patent may be granted, ld and enjoyed by me had this assignment and sale not been made.
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I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

LEGAL NAME OF INVENTOR

1

Signature

(Daniel Thommen)

<u>Fe6 28,2078</u> Date

3804175.1

	Attorney Docket No.: <u>101896-1926 (MED5043USNP)</u>	
COMBINED	DECLARATION AND ASSIGNMENT	
Title of Invention: <u>DEVICES AND METHOR</u>	DS FOR SURGICAL RETRACTION	
This declaration and assignment is directed to:	The attached or filed herewith application of (list of named inventors),	
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Declaration		
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The above-identified application ("Applica	tion") was made or authorized by me.	
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Assignment		
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or		
For good and valuable consideration, the assigned and transferred to:	sufficiency of which is acknowledged, I hereby assign and transfer and/or have	
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(hereinafter designated as the "Assignee"), my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.		
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I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

LEGAL NAME OF INVENT

e (Michael White)

Signature

23/181/181 Date

3804179.1

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: DEVICES AND METHODS FOR SURGICAL RETRACTION

This declaration and assignment is directed

d to:	The attached or filed herewith application of (list of named inventors),
or	
	The United States application or PCT international application number <u>15/786.846</u> filed on <u>October 18, 2017</u> .

Declaration

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Synthes GmbH Eimattstrasse 3, 4436 Oberdorf, Switzerland A corporation of the state or country of <u>Switzerland</u>

(hereinafter designated as the "Assignee"), my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.

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LEGAL NAME OF INVENTOR

(Stephane Gully)

Signature

2. Nursh 2018 Date

3804180.1

	Attorney Docket No.: 101896-1926 (MED5043USNP)
COMBINED DECLARATION AND ASSIGNMENT	
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OF	
For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to:	
Synthes GmbH Eimattstrasse 3, 4436 Oberdorf, Switzerland A corporation of the state or country of <u>Switzerland</u>	
(hereinafter designated as the "Assignee"), my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.	
I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.	

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

LEGAL NAME OF INVENTOR

1 fall mallan

Signature

(Veronique Christine Zollmann)

<u>_25.02.20/5</u> Date

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RECORDED: 08/13/2018