



12-16-2002



T

Attorney Docket Number 8932-175-999

102312421

TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS

Box Assignment
Washington, DC 20231

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Michael N. Langmaid
Thomas Joseph Maughan
Christoph Andreas Roth
Michael C. MazzioAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: October 11, 2002; October 16, 2002; October 22, 2002; and October 16, 2002, respectively

2. Name and address of receiving party(ies):

Name: Synthes AG ChurAddress: Grabenstrasse 15CH-7002 ChurCountry (if other than USA): Switzerland

AND

Name: Synthes (USA)Address: 1690 Russell RoadPaoli, Pennsylvania 19301

Country (if other than USA): _____

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) 10/265,258

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

PENNIE & EDMONDS LLP
1667 K Street, N.W.
Washington, D.C. 20006

6. Number of applications

and patents involved: 17. Total fee (37 CFR 3.41):.....\$ 40.00

Please charge to the deposit account listed in Section 8.

8. Deposit account number:

16-1150

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Seth A. Watkins

47,169

For: Brian M. Rothery

35,340

Name of Person Signing

Reg. No.

Signature

December 5, 2002

Date

Total number of pages including cover sheet:

Seventeen

12/16/2002 LWELLER 00000050 161150 10263258

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40.00 CH

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignment
Washington, D.C. 20231PATENT
REEL: 013564 FRAME: 0799

DCI - 335751.1

ASSIGNMENT

WHEREAS, WE, **Michael N. LANGMAID**, a citizen of the United States and residing at 708 Apricot Lane, West Chester, Pennsylvania 19380, **Thomas Joseph MAUGHAN**, a citizen of the United States and residing at 2778 Jean Drive, Hatfield, Pennsylvania 19440, **Christoph Andreas ROTH**, a citizen of Germany residing at 1109 Timberland Drive, West Chester, Pennsylvania 19380, and **Michael C. MAZZIO**, a citizen of the United States and residing at 119 Raleigh Road, Schwenksville, Pennsylvania 19473, ASSIGNORS, are inventors of the invention entitled **ADJUSTABLE FIXATOR**, for which we have executed an application for a Patent of the United States

- ☒ which is identified by Pennie & Edmonds LLP docket no. **8932-175-999** and
- ☒ was filed on **October 7, 2002**

AND WHEREAS, **SYNTHES AG CHUR**, ASSIGNEE, having a registered office and place of business at Grabenstrasse 15, CH-7002 Chur, Switzerland, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application in all geographic locations except the United States and its possessions and territories, Canada and its possessions and territories, the Bahamas, and Bermuda, (hereinafter "the excluded geographic locations")

AND WHEREAS, **SYNTHES (USA)**, ASSIGNEE, a General Partnership existing under the laws of the Commonwealth of Pennsylvania and having a place of business at 1690 Russell Road, Paoli, PA 19301, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application in the excluded geographic locations:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over:

- (1) unto the said **SYNTHES (USA)**, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention in the excluded geographic locations, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection in the excluded geographic locations, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country in the excluded geographic locations, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection in the excluded geographic locations, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country in the excluded geographic locations and all extensions, renewals and reissues thereof, and
- (2) unto the said **SYNTHES AG CHUR**, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention in all geographic locations except the excluded geographic locations; and all applications for industrial property protection in all geographic locations except the excluded geographic locations, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries

foreign to the United States in all geographic locations except the excluded geographic locations, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection in all geographic locations except the excluded geographic locations, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the respective ASSIGNEES, their successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEES, their successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEES, their successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, WE hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 10/11/02 Michael N. Langmaid L.S.
Michael N. LANGMAID

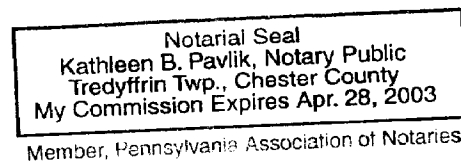
State of Penn.

County of Chester SS.:

In the State of Penn., county of Chester, on 10/11/02, before me, KATHLEEN B. PAVLIK Notary Public, personally appeared Michael N. LANGMAID, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Kathleen B. Pavlik



Date _____ L.S.

Thomas Joseph MAUGHAN

State of _____)

) SS.:

County of _____)

In the State of _____, county of _____, on _____, before me, _____, Notary Public, personally appeared **Thomas Joseph MAUGHAN**, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Date _____ L.S.

Christoph Andreas ROTH

State of _____)

) SS.:

County of _____)

In the State of _____, county of _____, on _____, before me, _____, Notary Public, personally appeared **Christoph Andreas ROTH**, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Date _____ L.S.

Michael C. MAZZIO

State of _____)

) SS.:

County of _____)

In the State of _____, county of _____, on _____, before me, _____, Notary Public, personally appeared **Michael C. MAZZIO**, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

ASSIGNMENT

WHEREAS, WE, **Michael N. LANGMAID**, a citizen of the United States and residing at 708 Apricot Lane, West Chester, Pennsylvania 19380, **Thomas Joseph MAUGHAN**, a citizen of the United States and residing at 2778 Jean Drive, Hatfield, Pennsylvania 19440, **Christoph Andreas ROTH**, a citizen of Germany residing at 1109 Timberland Drive, West Chester, Pennsylvania 19380, and **Michael C. MAZZIO**, a citizen of the United States and residing at 119 Raleigh Road, Schwenksville, Pennsylvania 19473, ASSIGNORS, are inventors of the invention entitled **ADJUSTABLE FIXATOR**, for which we have executed an application for a Patent of the United States

- ☒ which is identified by Pennie & Edmonds LLP docket no. **8932-175-999** and
- ☒ was filed on **October 7, 2002**

AND WHEREAS, **SYNTHES AG CHUR**, ASSIGNEE, having a registered office and place of business at Grabenstrasse 15, CH-7002 Chur, Switzerland, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application in all geographic locations except the United States and its possessions and territories, Canada and its possessions and territories, the Bahamas, and Bermuda, (hereinafter "the excluded geographic locations")

AND WHEREAS, **SYNTHES (USA)**, ASSIGNEE, a General Partnership existing under the laws of the Commonwealth of Pennsylvania and having a place of business at 1690 Russell Road, Paoli, PA 19301, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application in the excluded geographic locations:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over:

- (1) unto the said **SYNTHES (USA)**, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention in the excluded geographic locations, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection in the excluded geographic locations, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country in the excluded geographic locations, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection in the excluded geographic locations, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country in the excluded geographic locations and all extensions, renewals and reissues thereof, and
- (2) unto the said **SYNTHES AG CHUR**, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention in all geographic locations except the excluded geographic locations; and all applications for industrial property protection in all geographic locations except the excluded geographic locations, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries

foreign to the United States in all geographic locations except the excluded geographic locations, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection in all geographic locations except the excluded geographic locations, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

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AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEES, their successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEES, their successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, WE hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 10/14/12  L.S.
Michael N. LANGMAID

State of _____)
) SS.:
County of _____)

In the State of _____, county of _____, on _____, before me, _____, Notary Public, personally appeared **Michael N. LANGMAID**, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Date 10/16/02

Thomas Joseph MAUGHAN L.S.
Thomas Joseph MAUGHAN

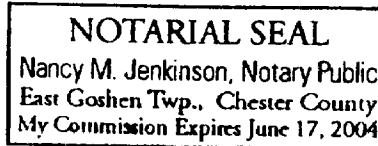
State of Pennsylvania

County of Chester SS.:

In the State of Pennsylvania county of Chester, on 10/17/02, before me, Nancy M. Jenkinson Notary Public, personally appeared **Thomas Joseph MAUGHAN**, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Nancy M. Jenkinson



Date _____

Christoph Andreas ROTH

L.S.

State of _____)

) SS.:

County of _____)

In the State of _____, county of _____, on _____, before me, _____, Notary Public, personally appeared **Christoph Andreas ROTH**, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Date _____ L.S.

Michael C. MAZZIO

State of _____)

) SS.:

County of _____)

In the State of _____, county of _____, on _____, before me, _____, Notary Public, personally appeared **Michael C. MAZZIO**, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

ASSIGNMENT

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- ☒ which is identified by Pennie & Edmonds LLP docket no. **8932-175-999** and
- ☒ was filed on **October 7, 2002**

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AND WHEREAS, **SYNTHES (USA)**, ASSIGNEE, a General Partnership existing under the laws of the Commonwealth of Pennsylvania and having a place of business at 1690 Russell Road, Paoli, PA 19301, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application in the excluded geographic locations:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over:

- (1) unto the said **SYNTHES (USA)**, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention in the excluded geographic locations, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection in the excluded geographic locations, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country in the excluded geographic locations, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection in the excluded geographic locations, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country in the excluded geographic locations and all extensions, renewals and reissues thereof, and
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IN TESTIMONY WHEREOF, WE hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 10/11/12 Michael N. Langmaid L.S.
Michael N. LANGMAID

State of _____)
) SS.:
County of _____)

In the State of _____, county of _____, on _____, before me, _____, Notary Public, personally appeared **Michael N. LANGMAID**, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Date _____ L.S.

Thomas Joseph MAUGHAN

State of _____)
) SS.:
County of _____)

In the State of _____, county of _____, on _____, before me, _____, Notary Public, personally appeared **Thomas Joseph MAUGHAN**, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

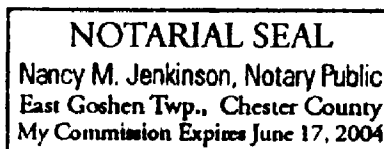
Date 10/22/02  L.S.
Christoph Andreas ROTH

State of Pennsylvania
) SS.:
County of Chester

In the State of Pennsylvania county of Chester, on Oct 22, 2002, before me, Nancy M. Jenkinson, Notary Public, personally appeared **Christoph Andreas ROTH**, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal





Date _____ L.S.

Michael C. MAZZIO

State of _____)

) SS.:

County of _____)

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WITNESS my hand and official seal

ASSIGNMENT

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Date 10/14/22 Michael N. Langmaid L.S.
Michael N. LANGMAID

State of _____)
County of _____) SS.:

In the State of _____, county of _____, on _____, before me, _____, Notary Public, personally appeared Michael N. LANGMAID, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Date _____ L.S.

Thomas Joseph MAUGHAN

State of _____)
) SS.:
County of _____)

In the State of _____, county of _____, on _____, before me, _____, Notary Public, personally appeared **Thomas Joseph MAUGHAN**, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Date _____ L.S.

Christoph Andreas ROTH

State of _____)
) SS.:
County of _____)

In the State of _____, county of _____, on _____, before me, _____, Notary Public, personally appeared **Christoph Andreas ROTH**, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Date

10/16/02

Michael C. MAZZIO

L.S.

State of

Pennsylvania

SS.:

County of

Chester

In the State of Pennsylvania county of Chester, on Oct. 16, 2002, before me, Nancy M. Jenkinson Notary Public, personally appeared **Michael C. MAZZIO**, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Nancy M. Jenkinson

NOTARIAL SEAL

Nancy M. Jenkinson, Notary Public
East Goshen Twp., Chester County
My Commission Expires June 17, 2004