

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5070647

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SIGNAL MEDICAL CORPORATION	09/22/2015
LOUIS A. SERAFIN, JR. TRUST	09/22/2015
RECEIVING PARTY DATA	
Name:	XYLON, LLC
Street Address:	400 PYRAMID DRIVE
City:	MARYSVILLE
State/Country:	MICHIGAN
Postal Code:	48040
PROPERTY NUMBERS Total: 3	
Property Type	Number
Application Number:	10793196
Application Number:	14121159
Application Number:	11401394
CORRESPONDENCE DATA	
Fax Number:	(844)670-6009
<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>	
Phone:	2484337587
Email:	whurles@dickinsonwright.com
Correspondent Name:	WILLIAM J. HURLES
Address Line 1:	2600 W. BIG BEAVER RD. SUITE 300
Address Line 4:	TROY, MICHIGAN 48084
ATTORNEY DOCKET NUMBER:	77613-1
NAME OF SUBMITTER:	WILLIAM J. HURLES
SIGNATURE:	/William J. Hurles/
DATE SIGNED:	07/27/2018
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 52 source=Signal to Xylon NPNR#page1.tif	

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ASSIGNMENT OF INTELLECTUAL PROPERTY AGREEMENT

THIS ASSIGNMENT OF INTELLECTUAL PROPERTY AGREEMENT (this "Agreement") is made and entered into as of September 23, 2015, by and among Signal Medical Corporation, a Michigan corporation, whose office address is 400 Pyramid Drive, Marysville, Michigan 48040, U.S.A. (the "Signal Assignor"), the Louis A. Serafin, Jr. Trust u/a/d October 26, 1992, located at 7240 Lakeshore Road, Lakeport, Michigan 48059, U.S.A (the "Serafin Assignor" and together with the Signal Assignor, the "Assignor"), Xylon, L.L.C., a Michigan limited liability company, whose office address is 400 Pyramid Drive, Marysville, Michigan 48040, U.S.A. ("Assignee") and the Leo A. Whiteside Trust u/a/d December 20, 1987, located at 1000 Des Peres Road, Suite 140, St. Louis, MO 63131 (the "Whiteside Trust"). Signal Assignor, Serafin Assignor, Assignee and the Whiteside Trust are each sometimes referred to herein as a "Party" and, collectively, as the "Parties."

Recitals

WHEREAS, the Signal Assignor and Serafin Assignor are the owner(s) of certain patents and patent applications as set forth in the attached Schedule A, subject in part to the prior assignments set forth on the attached Schedule B;

WHEREAS, Assignee is desirous of obtaining an assignment of certain patents and patent applications as set forth in the attached Schedule A; and

WHEREAS, Assignor desires to assign and transfer to Assignee, and Assignee is willing to assume from Assignor, in whole part and pursuant to the terms herein, the patents and patent applications, including the aforesaid inventions and properties, which are described and claimed in such applications and patents, and any and all further, national or regional, continuing, continuation, continuation-in-part, divisional, revival, substitute and so forth and the like application(s), and registration(s) and patent(s) granted for the same, and any and all re-examination, re-issue, extension, and so forth application(s) and patent(s), in the United States of America and her Territories and Possessions, and all other Nations and Territories and Regions throughout the world, and in Outer Space (collectively, the "Patent Rights") as set forth on Schedule A, attached hereto.

NOW, THEREFORE, In consideration of the mutual covenants contained herein, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree to the following:

1. Assignment. Assignor, for itself and its successors, assigns or other representatives and so forth under law, hereby assigns to Assignee all the right, title and interest owned by Assignor in and to the Patent Rights, as aforesaid, together with the right to sue for and collect damages for past infringement of said patents and any other infringements of other intellectual properties associated with the Patent Rights, as aforesaid, and further covenants and agrees that it and its successors, assigns or other representatives and so forth under law agree to assist the Assignee and its successors, assigns or other representatives and so forth under law, by signing all lawful documents, and providing all lawful testimony, to support the inventions, the applications and the patents, and any and all patents and/or registrations issuing thereon.

2. Advice of Counsel. In executing this Agreement, each party hereto acknowledges that it has consulted with and had the advice of independent legal counsel of its own choosing in negotiations for and preparation of this Agreement and that each party was fully advised by such legal counsel with respect to all rights which are affected by this Agreement.

3. Choice of Law. This Agreement shall in all respects be interpreted, enforced and governed under the laws of the State of Michigan.
4. Jurisdiction; Venue. The courts of the State of Michigan shall have exclusive jurisdiction to adjudicate any dispute or claim arising out of or in connection with this Agreement. Each party hereby irrevocably and unconditionally submits to the jurisdiction of the courts of the State of Michigan in respect of any proceedings brought in connection with this Agreement. Each party acknowledges and agrees that the courts of the State of Michigan are the most appropriate and convenient courts to settle any such dispute in connection with this Agreement and agree not to argue to the contrary, and waive any objection to those courts on the grounds of inconvenient forum or otherwise in relation to proceedings in connection with this Agreement.
5. Interpretation. The language in all parts of this Agreement shall in all cases be construed as a whole according to its fair meaning and not strictly for or against any of the parties. All the parties are sophisticated, and all the parties have actively participated in and fully negotiated this Agreement. Accordingly, this Agreement shall not be construed for or against either of the parties on the basis of whether one or the other of them drafted or proposed any provision contained herein.
6. Entire, Fully Integrated Agreement. This is the entire agreement among the parties with respect to the Assignment. This Agreement includes all of the terms, promises, representations and understandings made by the parties, and it supersedes any earlier written or oral, explicit or implicit, understandings or agreements between the parties. No party hereto nor any of its respective attorneys, advisors or agents has made any promise, representation or warranty, expressed, implied or statutory, not expressly contained or referenced herein, concerning the subject matter of this Agreement, and each party hereby agrees, and knowingly and intentionally waives any right to assert, that the other party has done so in order to induce the other party hereto to execute this Agreement, or for any other purpose. Each party and each signatory to this Agreement acknowledges that such party has not executed this Agreement in reliance on any promise, representation or warranty not expressly contained or referenced herein.
7. Review of This Agreement. Each party to this Agreement represents and warrants that it has read and fully understands all of this Agreement, that this Agreement is signed freely by each person executing this Agreement on behalf of each of the parties and that each of the parties has made such investigation of the facts pertaining to the settlement, this Agreement and all other matters pertaining thereto as they deem necessary. Each party assumes the risk of mistake as to facts or law.
8. Cooperation in Implementation. Each party to this Agreement will cooperate and diligently perform any further acts, deeds and things and execute and deliver any documents that may from time to time be reasonably necessary or otherwise reasonably required to consummate, evidence, confirm and/or carry out the intent and provisions of this Agreement, all without undue delay or expense and without further consideration. Further, Assignor agrees to execute and cause to be executed at the request of Assignee, all assignments, powers of attorney, and other papers as may be reasonably necessary to enable Assignee to obtain or maintain the Patent Rights and Assignor hereby grants Assignee the authority to execute any document, as may be necessary, relating to the Patent Rights in the name of Assignor to obtain and maintain the Patent Rights in the event that Assignor is not readily available.
9. Facsimile or Electronic Execution. Signatures to this Agreement transmitted by facsimile or by electronic mail (e-mail) shall be valid and effective to bind the party so signing. Each of the parties agrees to promptly deliver an execution original to this Agreement with its actual signature to the other party hereto, but a failure to do so shall not affect the enforceability of this Agreement, it being expressly agreed that each party hereto shall be bound by its own telecopied or scanned signature and shall accept the telecopied or scanned signature of the other party to this Agreement.

10. Counterparts. This Agreement may be executed in counterparts, each of which so executed shall, irrespective of the date of its execution and delivery, be deemed an original, and said counterparts together shall constitute one and the same instrument.

11. Binding Effect. This Agreement shall be binding upon and inure to the benefit of the parties hereto and each of their respective representatives, successors and assigns; provided, however, the foregoing shall not be deemed or construed to confer any right, title, benefit, cause of action or remedy upon any person or entity not a party hereto, which such party would not or did not otherwise possess.

12. WAIVER OF TRIAL BY JURY. THE PARTIES TO THIS AGREEMENT HEREBY EXPRESSLY WAIVE ANY RIGHT TO TRIAL BY JURY OF ANY CLAIM, DEMAND, ACTION, CAUSE OF ACTION, OR PROCEEDING ARISING UNDER OR WITH RESPECT TO THIS AGREEMENT. TO THE EXTENT THEY MAY LEGALLY DO SO, THE PARTIES HEREBY AGREE THAT ANY SUCH CLAIM, DEMAND, CAUSE OF ACTION, OR PROCEEDING SHALL BE DECIDED IN ACCORDANCE WITH THIS AGREEMENT AND THAT ANY PARTY HERETO MAY FILE THIS AGREEMENT WITH ANY COURT AS WRITTEN EVIDENCE OF THE CONSENT OF THE OTHER PARTIES HERETO TO WAIVER OF ITS OR THEIR RIGHT TO TRIAL BY JURY AND AGREEMENT TO ABIDE BY THE PROCEDURES SET FORTH HEREIN.

13. Power and Authority. Each of the parties, and any person or entity executing and delivering this Agreement on such parties behalf has the power and authority to execute and deliver this Agreement. The execution, delivery, and performance of this Agreement by each of the parties have been duly authorized by all necessary legal actions of each such party and, upon execution and delivery thereof, this Agreement constitutes the valid and binding obligation of each party, respectively.

14. Amendments. No change, waiver, discharge or termination of this Agreement or any provision of this Agreement shall be binding upon any party to this Agreement unless it is set forth in a written instrument signed by the party against whom enforcement of the change, waiver, discharge or termination is sought.

15. Severability. If any provision or any portion of any provision of this Agreement, or the application of any provision or of any portion thereof, shall be held invalid or unenforceable, the remaining provisions of this Agreement, the remaining portions of any provisions, and the application thereof, shall not be affected thereby and shall remain valid and enforceable.

* * *

[The remainder of this page is left blank intentionally; Signature page follows.]

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed by their duly authorized representatives as of the date first above written.

(a) ASSIGNOR of Patent Application Nos. 10/793,196; 12/584,482; 13/987,014; 11/657,385; 11/391,823; and 11/401,395

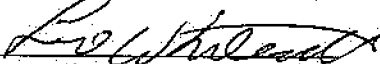
(a) ASSIGNEE of Patent Application Nos. 10/793,196; 12/584,482; 13/987,014; 11/657,385; 11/391,823; and 11/401,395

(b) ASSIGNOR of Patent No. 9,078,754

(b) ASSIGNEE of Patent No. 9,078,754

SIGNAL MEDICAL CORPORATION

XYLON, L.L.C.

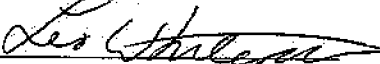
By: 
Leo A. Whiteside,
Managing Member

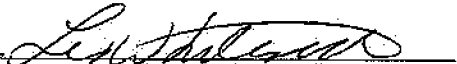
By: _____
Raj K. Chawla
Manager

Acknowledged and Agreed:

LEO A. WHITESIDE TRUST U/A/D
DECEMBER 20, 1987

By: _____
Troy E. McHenry
Manager

By: 
Leo A. Whiteside,
Trustee

By: 
Leo A. Whiteside
Manager

LOUIS A. SERAFIN, JR. TRUST U/A/D
OCTOBER 26, 1992

By: _____
Martha L. Serafin,
Trustee

(c) ASSIGNOR of Patent Application Nos. 14/121,159; and 14/545,785

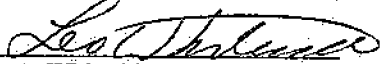
(c) ASSIGNEE of Patent Application Nos. 14/121,159; and 14/545,785

(d) ASSIGNOR of Patent No. 8,834,576

(d) ASSIGNEE of Patent No. 8,834,576

SIGNAL MEDICAL CORPORATION

XYLON, L.L.C.

By: 
Leo A. Whiteside,
Managing Member


By: _____
Raj K. Chawla
Manager

AND

LOUIS A. SERAFIN, JR. TRUST U/A/D
OCTOBER 26, 1992

By: _____
Troy E. McHenry
Manager

By: _____
Martha L. Serafin,
Trustee

By: 
Leo A. Whiteside
Manager

[Notarization to Signature Page to Assignment of Intellectual Property Agreement]

THE STATE OF _____)

COUNTY OF _____)

This instrument was acknowledged before me on the 22nd day of September, 2015 by Raj K. Chawla in the capacity provided on the Signature Page hereto.

Notary Public in and for _____

The State of _____

THE STATE OF _____)

COUNTY OF _____)

This instrument was acknowledged before me on the 22nd day of September, 2015 by Troy E. McHenry in the capacity provided on the Signature Page hereto.

Notary Public in and for _____

The State of _____

THE STATE OF _____)

COUNTY OF _____)

This instrument was acknowledged before me on the 22nd day of September, 2015 by Märtha L. Serafin in the capacity provided on the Signature Page hereto.

Notary Public in and for _____

The State of _____

THE STATE OF Missouri)

COUNTY OF St. Louis)

This instrument was acknowledged before me on the 22nd day of September, 2015 by Leo A. Whiteside in the capacity provided on the Signature Page hereto.



Angelia Simmerock

Notary Public in and for Jefferson County

The State of Missouri

[Notarization to Signature Page to Assignment of Intellectual Property Agreement]

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed by their duly authorized representatives as of the date first above written:

(a) ASSIGNOR of Patent Application Nos. 10/793,196; 12/584,482; 13/987,014; 11/657,385; 11/391,823; and 11/401,395

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(b) ASSIGNOR of Patent No. 9,078,754

(b) ASSIGNEE of Patent No. 9,078,754

SIGNAL MEDICAL CORPORATION

XYLON, L.L.C.

By: _____
Leo A. Whiteside,
Managing Member

By: _____
Raj K. Chawla
Manager

Acknowledged and Agreed:

LEO A. WHITESIDE TRUST U/A/D
DECEMBER 20, 1987

By: _____
Troy E. McHenry
Manager

By: _____
Leo A. Whiteside,
Trustee

By: _____
Leo A. Whiteside
Manager

LOUIS A. SERAFIN, JR. TRUST U/A/D
OCTOBER 26, 1992

By: Martha L. Serafin
Martha L. Serafin,
Trustee

(c) ASSIGNOR of Patent Application Nos. 14/121,159; and 14/545,785

(c) ASSIGNEE of Patent Application Nos. 14/121,159; and 14/545,785

(d) ASSIGNOR of Patent No. 8,834,576

(d) ASSIGNEE of Patent No. 8,834,576

SIGNAL MEDICAL CORPORATION

XYLON, L.L.C.

By: _____
Leo A. Whiteside,
Managing Member

By: _____
Raj K. Chawla
Manager

AND

LOUIS A. SERAFIN, JR. TRUST U/A/D
OCTOBER 26, 1992

By: _____
Troy E. McHenry
Manager

By: Martha L. Serafin
Martha L. Serafin,
Trustee

By: _____
Leo A. Whiteside
Manager

[Notarization to Signature Page to Assignment of Intellectual Property Agreement]

THE STATE OF _____)

COUNTY OF _____)

This instrument was acknowledged before me on the 22nd day of September, 2015 by Raj K. Chawla in the capacity provided on the Signature Page hereto.

Notary Public in and for _____

The State of _____

THE STATE OF _____)

COUNTY OF _____)

This instrument was acknowledged before me on the 22nd day of September, 2015 by Troy E. McHenry in the capacity provided on the Signature Page hereto.

Notary Public in and for _____

The State of _____

THE STATE OF Michigan)

COUNTY OF St Clair)

This instrument was acknowledged before me on the 22nd day of September, 2015 by Martha L. Serafin in the capacity provided on the Signature Page hereto.

Karen A Hubble / Karen A Hubble

Notary Public in and for St Clair

The State of Michigan

THE STATE OF Michigan)

COUNTY OF St Clair)

This instrument was acknowledged before me on the 22nd day of September, 2015 by Leo A. Whiteside in the capacity provided on the Signature Page hereto.

Notary Public in and for _____

The State of _____

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SIGNAL MEDICAL CORPORATION

XYLON, L.L.C.

By: _____
Leo A. Whiteside,
Managing Member

By: Raj Chawla
Raj K. Chawla
Manager

Acknowledged and Agreed:

LEO A. WHITESIDE TRUST U/A/D
DECEMBER 20, 1987

By: _____
Troy E. McHenry
Manager

By: _____
Leo A. Whiteside,
Trustee

By: _____
Leo A. Whiteside
Manager

LOUIS A. SERAFIN, JR. TRUST U/A/D
OCTOBER 26, 1992

By: _____
Martha L. Serafin,
Trustee

(c) ASSIGNOR of Patent Application Nos.
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(d) ASSIGNEE of Patent No. 8,834,576

SIGNAL MEDICAL CORPORATION

XYLON, L.L.C.

By: _____
Leo A. Whiteside,
Managing Member

By: Raj Chawla
Raj K. Chawla
Manager

AND

LOUIS A. SERAFIN, JR. TRUST U/A/D
OCTOBER 26, 1992

By: _____
Troy E. McHenry
Manager

By: _____
Martha L. Serafin,
Trustee

By: _____
Leo A. Whiteside
Manager

[Notarization to Signature Page to Assignment of Intellectual Property Agreement]

THE STATE OF Michigan)

COUNTY OF St Clair)

This instrument was acknowledged before me on the 22nd day of September, 2015 by Raj K. Chawla in the capacity provided on the Signature Page hereto.

Karen A Hubble / Karen A Hubble
Notary Public in and for St Clair
The State of Michigan

THE STATE OF _____)

COUNTY OF _____)

This instrument was acknowledged before me on the 22nd day of September, 2015 by Troy E. McHenry in the capacity provided on the Signature Page hereto.

Notary Public in and for _____
The State of _____

THE STATE OF _____)

COUNTY OF _____)

This instrument was acknowledged before me on the 22nd day of September, 2015 by Martha L. Serafin in the capacity provided on the Signature Page hereto.

Notary Public in and for _____
The State of _____

THE STATE OF _____)

COUNTY OF _____)

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Notary Public in and for _____
The State of _____

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(b) ASSIGNEE of Patent No. 9,078,754

SIGNAL MEDICAL CORPORATION

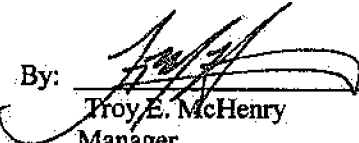
XYLON, L.L.C.

By: _____
Leo A. Whiteside,
Managing Member

By: _____
Raj K. Chawla
Manager

Acknowledged and Agreed:

LEO A. WHITESIDE TRUST U/A/D
DECEMBER 20, 1987

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Troy E. McHenry
Manager

By: _____
Leo A. Whiteside,
Trustee

By: _____
Leo A. Whiteside
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LOUIS A. SERAFIN, JR. TRUST U/A/D
OCTOBER 26, 1992

By: _____
Martha L. Serafin,
Trustee

(c) ASSIGNOR of Patent Application Nos. 14/121,159; and 14/545,785

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(d) ASSIGNOR of Patent No. 8,834,576

(d) ASSIGNEE of Patent No. 8,834,576

SIGNAL MEDICAL CORPORATION

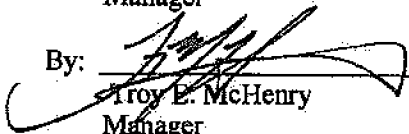
XYLON, L.L.C.

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Leo A. Whiteside,
Managing Member

By: _____
Raj K. Chawla
Manager

AND

LOUIS A. SERAFIN, JR. TRUST U/A/D
OCTOBER 26, 1992

By: 
Troy E. McHenry
Manager

By: _____
Martha L. Serafin,
Trustee

By: _____
Leo A. Whiteside
Manager

[Notarization to Signature Page to Assignment of Intellectual Property Agreement]

THE STATE OF _____)

COUNTY OF _____)

This instrument was acknowledged before me on the 22nd day of September, 2015 by Raj K. Chawla in the capacity provided on the Signature Page hereto.

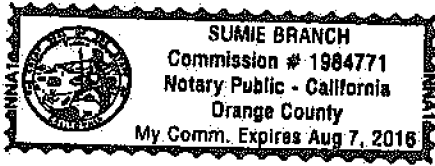
Notary Public in and for _____

The State of _____

THE STATE OF California)

COUNTY OF Orange)

This instrument was acknowledged before me on the 22nd day of September, 2015 by Troy E. McHenry in the capacity provided on the Signature Page hereto.



Sumie Branch

Notary Public in and for Orange County

The State of California

THE STATE OF _____)

COUNTY OF _____)

This instrument was acknowledged before me on the 22nd day of September, 2015 by Martha L. Serafin in the capacity provided on the Signature Page hereto.

Notary Public in and for _____

The State of _____

THE STATE OF _____)

COUNTY OF _____)

This instrument was acknowledged before me on the 22nd day of September, 2015 by Leo A. Whiteside in the capacity provided on the Signature Page hereto.

Notary Public in and for _____

The State of _____

[Notarization to Signature Page to Assignment of Intellectual Property Agreement]

Schedule A

[See attached Summary of Intellectual Property dated September 21, 2015 (v4.0)]

Schedule B

[See attached Schedule of Prior Intellectual Property Assignments]

Schedule B

[See attached Schedule of Prior Intellectual Property Assignments]

Assignment of IP (No. 1)

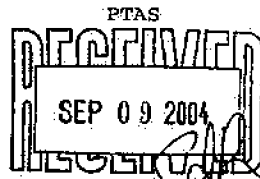


UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

AUGUST 30, 2004

C. RUDY, ESQ.
LAS/POW-60X
209 HURON AVE., STE. 8
PORT HURON, MI 48060



102692615A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

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RECORDATION DATE: 03/04/2004

REEL/FRAME: 015054/0416
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SERAFIN, LOUIS A., JR.

DOC DATE: 03/03/2004

ASSIGNOR:

JERRY, GERALD J., JR.

DOC DATE: 03/03/2004

ASSIGNEE:

SIGNAL MEDICAL CORPORATION
3777 LAPEER ROAD
UNIT 3-C
PORT HURON TOWNSHIP, MICHIGAN 48060

SERIAL NUMBER: 10793196

FILING DATE: 03/04/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: CERAMIC-IMPREGNATED PLASTIC

P.O. Box 1450, Alexandria, Virginia 22313-1450 - www.uspto.gov

015054/0416 PAGE 2

LENELL MACKALL, SUPERVISOR
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

PATENT
REEL: 047254 FRAME: 0114

ASSIGNMENT


Whereas, Inventor(s): Louis A. Serafin, Jr. of 3315 Berry Dr., Lakeport, MI 48059; and Gerald J. Jerry, Jr. of 2009 N. River Rd., St. Clair, MI 48079; has(have) invented certain new and useful improvements in a CERAMIC-IMPREGNATED PLASTIC for which an application for Letters Patent of the United States of America (Attorney Docket No. LAS/POW-60X) is executed on even date hereto;

And whereas, Assignee: SIGNAL MEDICAL CORP., a corporation of the State of Michigan, and having an address of 3777 Lapeer Rd., Unit 3-C, Port Huron, MI 48060, is(are) desirous of acquiring the above-identified property;


Now therefore, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said named Inventor, by these presents do sell, assign and transfer unto the said Assignee, my entire right, title and interest in and to the invention(s) described and claimed in such application and any and all further, continuing, divisional, revival, substitute and so forth application(s), and registration(s) and patent(s) granted for the same, and any and all re-examination, re-issue, extension, and so forth application(s) and patent(s), in the United States of America and her Territories and Possessions, and all other Nations and Territories throughout the world, and Outer Space.

I, the said named Inventor, hereby also agree and covenant to assist the said Assignee, assigns, heirs, or other representatives and so forth under law of the said Assignee, by signing all lawful documents, and providing all lawful testimony, to support the invention(s), the application(s), and any patent(s) issuing thereon.

In witness whereof, I hereunto set my hand and affix my seal at [indicate place] Port Huron, Michigan, U.S.A.



(L.S.)
Louis A. Serafin, Jr.



(L.S.)
Gerald J. Jerry, Jr.

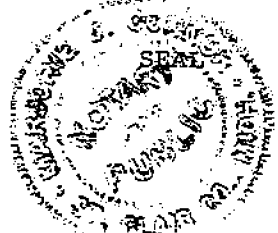
Date: 3 MAR 04

Date: 3/3/04

NOTARIZATION

State of Michigan)
 SS.
County of St. Clair)

Before me on this 3rd day of March, 2004, A.D., personally came the said Louis A. Serafin, Jr., and Gerald J. Jerry, Jr., each known to me and each of whom acknowledged the foregoing instrument to be his free act and deed.



Marjorie J. Connor
Notary Public

MARJORIE J. CONNOR
Notary Public, St. Clair County, MI
My Commission Expires May 2, 2005

PATENT

22264 U.S.PTO
10/793196

030404

COMMERCE
Mark Office

ATION

8060

1

601)

copy of

Assignment of IP (Nos. 2a, 2b and 2c)



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUNE 13, 2008

PTAS - MT



103508127A

CHRISTOPHER JOHN RUDY
LASCTPCT-773
209 HURON AVE., STE. 8
PORT HURON, MICHIGAN 48060

RECEIVED JUN 20 2008 CJR

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 06/11/2008

REEL/FRAME: 021090/0664
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS):

ASSIGNOR:
SERAFIN, JR., LOUIS A.

DOC DATE: 04/22/2008

ASSIGNOR:
STOUSE, LEE ALLEN

DOC DATE: 04/14/2008

ASSIGNOR:
WHITESIDE, LEO A.

DOC DATE: 04/22/2008

ASSIGNOR:
BURLINGAME, NICHOLAS H.

DOC DATE: 05/06/2008

ASSIGNEE:
SIGNAL MEDICAL CORPORATION
400 PYRAMID DRIVE
MARYSVILLE, MICHIGAN 48040

P.O. Box 1450, Alexandria, Virginia 22313-1450 - www.uspto.gov

021090/0664 PAGE 2

ASSIGNEE:
SERAFIN, JR., LOUIS A.
3315 BERRY DRIVE
LAKEPORT, MICHIGAN 48058

SERIAL NUMBER:
PATENT NUMBER:
PCT NUMBER: US8002768
TITLE:

FILING DATE:
ISSUE DATE:

ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

PATENT
REEL: 047254 FRAME: 0117

2

ASSIGNMENT

Whereas, Inventor(s): SERAFIN, JR., Louis A., 3315 Berry Drive, Lakeport, Michigan 48059 (US); STOUSE, Lee Allen, 2698 Canfield Trail, Brighton, Michigan 48114 (US); WHITESIDE, Leo A., 14825 Sugarwood Trail, Chesterfield, Missouri 63017 (US); and BURLINGAME, Nicholas H., 6066 South Road, Belmont, New York 14813 (US) -- has/have invented certain new and useful improvements in a METAL/ALLOY COATED CERAMIC, for which an international patent application was filed on 01 March 2008 as application No. PCT/US2008/002768 (Docket No. LASetPCT-773);

And whereas, SIGNAL MEDICAL CORPORATION, a corporation of the State of Michigan (US), with an address of 400 Pyramid Drive, Marysville, Michigan 48040 (US), hereinafter, Assignee, is/are desirous of acquiring the above-identified property;

Now therefore, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged,

I, the said Inventor, Louis A. SERAFIN, JR., mindful of agreements made by a LICENSE AGREEMENT with Zimmer, Inc., P.O. Box 708, Warsaw, Indiana 46582-0708 (US), for a certain total knee joint component rotational knee with a depending post extending from the femoral component to an opening in the tibial tray, which at the time was identified or may have been known by the term, "Salvage Knee," which agreements were agreed to be made applicable to a total knee joint component rotational knee with a depending post extending from the femoral component to an opening in the tibial tray disclosed within the above mentioned application by subsequent letters, discussions, approvals and behaviors, by these presents do sell, assign and transfer unto the said Assignee, an entire part right, title and interest, only retaining a right, title and interest sufficient to honor the aforesaid LICENSE AGREEMENT and subsequent agreement, in and to the invention(s) --

I, the said named Inventor, Lee Allen STOUSE, by these presents do sell, assign, and transfer unto the said Assignee, my entire right, title and interest in and to the invention(s) --

I, the said named Inventor, Leo A. WHITESIDE, by these presents do sell, assign, and transfer unto the said Assignee, my entire right, title and interest in and to the invention(s) --

and I, the said named Inventor, Nicholas H. BURLINGAME, by these presents do sell, assign, and transfer unto the said Assignee, my entire right, title and interest in and to the invention(s) --

which is(are) described and claimed in such application and any and all further, national or regional, continuing, continuation, continuation-in-part, divisional, revival, substitute and so forth application(s), and registration(s) and patent(s) granted for the same, and any and all re-examination, re-issue, extension, and so forth application(s) and patent(s), in the United States of America and her Territories and Possessions, and all other Nations, Regions and Territories throughout the world, and in Outer Space.

I, the said Inventor, furthermore, hereby agree and covenant to assist the said Assignee, its/his/her assigns, heirs, or other representatives and so forth under law, by signing all lawful documents, and providing all lawful testimony, to support the

ASSIGNMENT

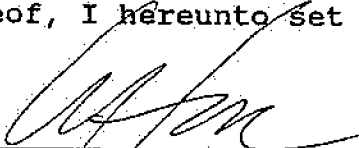
of
Louis A. SERAFIN, JR.
Lee Allen STOUSE
Leo A. WHITESIDE
Nicholas H. BURLINGAME

to
SIGNAL MEDICAL CORPORATION

Page 2 of 3

invention(s), the application(s), and any patent(s) and/or registration(s) issuing thereon.

In witness whereof, I hereunto set my hand and affix my seal:



(L.S.)
Louis A. SERAFIN, JR.
Date: 22 APRIL
Place: PORT HURON, MI


NOTARIZATION

State of Michigan)
SS.
County of St. Clair)

Before me on this 22nd day of April, 2008, A.D., personally came the said Louis A. SERAFIN, JR., known to me, who acknowledged the foregoing instrument to be his free act and deed.

SEAL

Margorie J. Connor
Notary Public



Lee Allen STOUSE
Date: 4-14-08
Place: BRIGHTON, MICHIGAN

Margorie J. Connor, Notary Public State of Michigan, County of St. Clair My Commission Expires 5/2/2011 Office in the County of <u>St. Clair</u> (L.S.)

NOTARIZATION

State of Michigan)
SS.
County of Livingston)

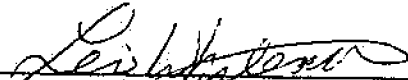
Before me on this 14th day of April, 2008, A.D., personally came the said Lee Allen STOUSE, known to me, who acknowledged the foregoing instrument to be his free act and deed.

SEAL

Melissa Blomquist
Notary Public

ASSIGNMENT
of
Louis A. SERAFIN, JR.
Lee Allen STOUSE
Leo A. WHITESIDE
Nicholas H. BURLINGAME
to
SIGNAL MEDICAL CORPORATION

Page 3 of 3



Leo A. WHITESIDE (L.S.)
Date: 4-24-08
Place: St. Louis, Missouri

NOTARIZATION

State of Missouri)
County of St. Louis) SS.

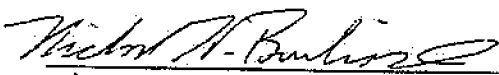
Before me on this 24 day of April, 2008, A.D.,
personally came the said Leo A. WHITESIDE, known to me, who
acknowledged the foregoing instrument to be his free act and deed.

SEAL



Notary Public

ANGELIA SIMMEROCK
Notary Public - Notary Seal
State of Missouri
Commissioned for Jefferson County
My Commission Expires: March 23, 2012
Commission Number: 08383396

=====


Nicholas H. BURLINGAME (L.S.)

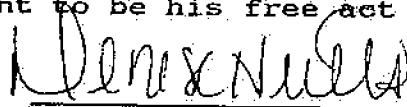
Date: 5/6/08
Place: BANK, BHERED NEW YORK

NOTARIZATION

State of New York A)
County of Allegany) SS.

Before me on this 11th day of May, 2008, A.D.,
personally came the said Nicholas H. BURLINGAME, known to me, who
acknowledged the foregoing instrument to be his free act and deed.

SEAL



Notary Public

DENISE HULYS
Notary Public, State of New York
Qualified in Steuben County
No. 01HU6170994
Commission Expires July 18, 2011

Assignment of IP (No. 3)



UNITED STATES PATENT AND TRADEMARK OFFICE
 UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
 DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JULY 12, 2013

CHRISTOPHER JOHN RUDY, ESQ.
 CERANTUB-890
 209 HURON AVE., STE. 8
 PORT HURON, MI 48060



PTAS
 103659925A

RECEIVED JUN 11 2013

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RECORDATION DATE: 06/25/2013

REEL/FRAME: 030773/0001
 NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
 SERAFIN, JR., LOUIS A.

DOC DATE: 06/25/2013

ASSIGNEE:
 SIGNAL MEDICAL CORPORATION
 400 PYRAMID DRIVE
 MARYSVILLE, MICHIGAN 48040

APPLICATION NUMBER: 13987014
 PATENT NUMBER:
 TITLE:

JOANN STEWART-WOOD, EXAMINER
 ASSIGNMENT SERVICES BRANCH
 PUBLIC RECORDS DIVISION

U.S. PTO
 13/987014
 08/25/2013

U.S. DEPARTMENT OF COMMERCE
 United States Patent and Trademark

RE 07/03/2013



103659925

COPIES (not returned documents or the new address(es) info) address of receiving party(ies)

Name: Signal Medical Corporation
 Internal Address:
 Street Address: 400 Pyramid Drive
 City: Marysville
 State: MI
 Country: USA Zip: 48040

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance/Execution Date(s):
 Execution Date(s) June 25, 2013

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other

4. Application or patent number(s):

A. Patent Application No.(s)

Additional name(s) & address(es) attached? Yes No

6. Total number of applications and patents involved: One (1)

Additional numbers attached? Yes No

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

Name: Christopher John Rudy, Esq.

Internal Address: Cerantub-890

Street Address: 209 Huron Ave., Ste. 8

City: PORT HURON

State: MI Zip: 48060

Phone Number: (810) 982-4221

Fax Number: (810) 982-5336

Email Address:

8. Payment Information

a. Credit Card Last 4 Numbers: 4001

Expiration Date: 12/2015

b. Deposit Account Number

Authorized User Name

9. Signature: Christopher John Rudy Signature

Name of Person Signing

USPTO Reg. No. 31,873

Date: June 25, 2013

Total number of pages including cover sheet, attachments, and documents: 04

Documents to be resorted (including cover sheet) should be faxed to (571) 273-5240, or mailed to:

Documents to be resorted (including cover sheet) should be faxed to (571) 273-5240, or mailed to:

ASSIGNMENT

Whereas, Inventor(s): Louis A. Serafin, Jr. of 7240 Lakeshore Road, Lakeport, Michigan 48059, has invented certain new and useful improvements in a CERAMIC ANTIBACTERIAL, for which an application for letters patent of the United States of America, i.e., U.S.A., Attorney Docket No. CerAntiB-890, is executed on even date hereto;

And whereas, Signal Medical Corporation, with an address of 400 Pyramid Drive, Marysville, Michigan 48040, hereinafter, Assignee, is/are desirous of acquiring the above-identified property;

Now therefore, in consideration of the sum of one U.S.A. dollar (\$US 1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said named Inventor, by these presents do sell, assign and transfer unto the said Assignee, my entire right, title and interest in and to the invention(s) described and claimed in such application and any and all further, continuing to include continuation, continuation-in-part and divisional, revival, substitute and so forth application(s), whether in the U.S.A. directly, as an international Patent Cooperation Treaty application, or in any other Local, National or Regional Office and registration(s) and patent(s) granted for the same, and any and all re-examination, re-issue, extension, and so forth application(s) and patent(s), in or for the United States of America and her Territories and Possessions, in or for and all other Localities, Nations, Territories and Regions throughout the world, and in or for Outer Space.

I, the said Inventor, furthermore, hereby agree and covenant to assist the said Assignee, its assigns, heirs, or other representatives and so forth under law, by signing all lawful documents, and providing all lawful testimony, to support the invention(s), the application(s), and any registration(s) or patent(s) issuing thereon.

In witness whereof, I hereunto set my hand and affix my seal:

[Signature] (L.S.)
Louis A. Serafin, Jr.
Date: 25 JUNE 2013
Place: PORT HURON

Date: _____
Place: _____

State of Michigan)
) SS.
County of St CLAIR)

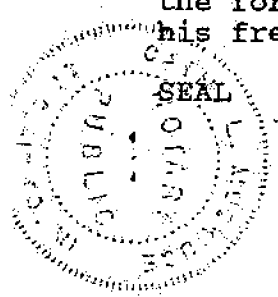
State of _____)
) SS.
County of _____)

Before me on this 25th day of June, 2013, A.D., personally came the said Louis A. Serafin, Jr., who is known to me, and who acknowledged the foregoing instrument to be his free act and deed.

Before me on this _____ day of _____, 20____, A.D., personally came the said _____, known to me, who acknowledged the foregoing instrument to be his or her free act and deed.

Cathy L. Murgidge
Notary Public
CATHY L. MUGRIDGE, Notary Public
State of Michigan, County of St. Clair
My commission expires 12/26/2015
Acting in the County of St. CLAIR

SEAL _____
Notary Public



ASSIGNEE ACCEPTANCE

Signal Medical Corporation, Assignee from Inventor(s) Louis A. Serafin, Jr. of the property related to the invention entitled CERAMIC ANTIBACTERIAL, as indicated in the attached ASSIGNMENT dated 25 JUNE 2013 through the official identified below, who has authority to bind the Assignee, hereby accepts the said ASSIGNMENT of the said Inventor(s).

In witness whereof, I hereunto set my hand and affix my seal:

[Signature] (L.S.)
Name: Louis A. Serafin, Jr.
Title: President
Date: 25 JUNE 2013

NOTARIZATION

State of Michigan)
) SS.
County of St. Clair)

Before me on this 25th day of June, 2013, A.D., personally came the said Louis A. Serafin, Jr., known to me, who acknowledged the foregoing instrument to be his free act and deed.

[Signature]
Notary Public

CATHY L. MUGRIDGE, Notary Public
State of Michigan, County of St. Clair
My commission expires 12/24/2015
Acting in the County of St. Clair



Assignment of IP (Nos. 4 thru 11b)

TO: C. RUDY, ESQ. COMPANY: LASCER-60X/LASCER-60X-US



UNITED STATES PATENT AND TRADEMARK OFFICE

 UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
 DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

OCTOBER 15, 2007

PTAS



700345102

 C. RUDY, ESQ.
 LASCER-60X/LASCER-60X-US
 209 HURON AVE., #9
 PORT HURON, MI 48060

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RECORDATION DATE: 10/12/2007

 REEL/FRAME: 019962/0189
 NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SERAFIN, JR., LOUIS

DOC DATE: 09/07/2007

ASSIGNOR:

JERRY, JR., GERALD J.

DOC DATE: 09/10/2007

ASSIGNOR:

BURLINGAME, NICHOLAS H.

DOC DATE: 09/07/2007

ASSIGNEE:

 KYLON, L.L.C.
 400 PYRAMID DR.
 MARYSVILLE, MICHIGAN 48040

 SERIAL NUMBER: 11220997
 PATENT NUMBER:

 FILING DATE: 09/07/2005
 ISSUE DATE:

P.O. Box 1450, Alexandria, Virginia 22313-1450; www.uspto.gov

USPTO

10/16/2007 6:19:32 PM PAGE 3/004 FAX SERVER

TO: C. RUDY, ESQ. COMPANY: LASCER-60X/LASCER-60X-US

TITLE: CERAMIC MANUFACTURES

019962/0189 PAGE 2

 SERIAL NUMBER:
 PATENT NUMBER:
 PCT NUMBER: US0408908
 TITLE: CERAMIC MANUFACTURES

 FILING DATE: 03/05/2004
 ISSUE DATE:

 ANTIONE ROYALL, EXAMINER
 ASSIGNMENT SERVICES BRANCH
 PUBLIC RECORDS DIVISION

PATENT

REEL: 047254 FRAME: 0126

ASSIGNMENT

Whereas, Inventor(s): Louis A. Serafin, Jr. of 3315 Berry Drive, Lakeport, MI 48059, U.S.A., Gerald J. Jerry, Jr. of 2009 North River Road, St. Clair, MI 48079, U.S.A., and Nicholas H. Burlingame of 6066 South Road, Belmont, NY 14813, U.S.A., has/have invented certain new and useful improvements in CERAMIC MANUFACTURES, for which an international PCT patent application, No. PCT/US2004/006908, was filed on March 5, 2004 (with applications based on it filed in Australia, No. 2004220540; Canada, No. 2,517,623; Europe, No. 04718112.8; and Japan, No. 2006-509209) and for which a continuation-in-part patent application from and with the disclosure of the aforesaid PCT patent application was filed in the United States of America (U.S.A.) as application No. 11/220,997 on September 7, 2005;

And whereas, XYLON, L.L.C., a limited liability corporation of the State of Michigan, with an address of 400 Pyramid Drive, Marysville, MI 48040, U.S.A., hereinafter, Assignee, is/are desirous of acquiring the above-identified property;

Now therefore, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged,

I, the said named Inventor, Louis A. Serafin, Jr., mindful of agreements made by a LICENSE AGREEMENT with Zimmer, Inc., P.O. Box 708 Warsaw, IN 46582-0708, U.S.A. for a certain total knee joint component rotational knee with a depending post extending from the femoral component to an opening in the tibial tray, which at the time was identified or may have been known by the term, "Salvage Knee," by these presents do sell, assign and transfer unto the said Assignee, an entire part right, title and interest, only retaining a right, title and interest sufficient to honor the aforesaid LICENSE AGREEMENT, in and to the invention(s) -

I, the said named Inventor, Gerald J. Jerry, Jr., by these presents do sell, assign and transfer unto the said Assignee, my entire right, title and interest in and to the invention(s) -

and I, the said named Inventor, Nicholas H. Burlingame, by these presents do sell, assign and transfer unto the said Assignee, my entire right, title and interest in and to the invention(s) -

which is(are) described and claimed in such applications and any and all further, national or regional, continuing, continuation, continuation-in-part, divisional, revival, substitute, and so forth application(s), and registration(s) and patent(s) granted for the same, and any and all re-examination, re-issue, extension, and so forth application(s) and patent(s), in the United States of America and her Territories and Possessions, and all other Nations, Regions and Territories throughout the world, including Australia, Canada, Europe and her member Nations, and Japan, and in Outer Space.

I, the said Inventor, furthermore, hereby agree and covenant to assist the said Assignee, its/his/her assigns, heirs, or other

ASSIGNMENT

OF

Louis A. Serafin, Jr.
Gerald J. Jerry, Jr.
Nicholas H. Burlingame

TO

XYLON, L.L.C.

PAGE 2 OF 2

representatives and so forth under law, by signing all lawful documents, and providing all lawful testimony, to support the invention(s), the application(s), and any and all patent(s) and/or registration(s) issuing thereon.

In witness whereof, I hereunto set my hand and affix my seal:

[Signature]
Louis A. Serafin, Jr.
Date: September 7, 2007
Place: Port Huron, MI

[Signature]
Gerald J. Jerry, Jr.
Date: 9-10 2007
Place: Port Huron, MI

[Signature]
Nicholas H. Burlingame
Date: September 7, 2007
Place: Alfred, NY

NOTARIZATION FOR LAS:

State of Michigan)
SS.)
County of St. Clair)

* Before me on this _____ day of _____, 2007,

personally came said Louis A. Serafin, Jr., known to me, and who acknowledged the foregoing instrument to be his free act and deed.

NOTARIZATION FOR GJJ:

State of Michigan)
SS.)
County of St. Clair)

Before me on this 10th day of September, 2007,

personally came said Gerald J. Jerry, Jr., known to me, and who acknowledged the foregoing instrument to be his free act and deed.

NOTARIZATION FOR NHB:

State of New York)
SS.)
County of Allegany)

Before me on this 7th day of September, 2007,

personally came said Nicholas H. Burlingame, known to me, and who acknowledged the foregoing instrument to be his free act and deed.

Marjorie J. Connor
Marjorie J. Connor, Notary Public
State of Michigan, County of St. Clair
My Commission Expires 5/22/2011
Acting in the County of St. Clair

SEAL
DONNA JEAN GLENN
NOTARY PUBLIC, STATE OF MI
COUNTY OF ST. CLAIR
MY COMMISSION EXPIRES JUN 21, 2007
ACTING IN COUNTY OF St. Clair

SEAL
DENISE HULTS
Notary Public, State of New York
Qualified in Seneca County
No. 01HU6170594
My Commission Expires July 16, 2011

Notary Public


[Signature]
Notary Public

*The said Louis A. Serafin, Jr. personally came before and acknowledged as said on September 7th, 2007.


Marjorie J. Connor
Marjorie J. Connor Oct. 12, 2007

SEAL

NOTICE OF ACCEPTANCE OF ASSIGNMENT

By an *Assignment dated ^{and 10} 7^A September, 2007, co-applicant Louis A. Serafin, Jr. did 
assign a part interest in his rights, title and interest in Australian Patent Application No.
2004220540 to Xylon, L.L.C. and co-applicants Gerald J. Jerry, Jr and Nicholas H.
Burlingame did assign all their rights, title and interest in Australian Patent Application
No. 2004220540 to Xylon, L.L.C., and we hereby confirm that assignment and our co-
proprietorship of the said Australian Patent Application Number.


DATED this 27th day of NOVEMBER, 2007.

*Assignment of Australian No. 20044220540
via PCT/US2004/005908, as with Canadian
No. 2,517,623; European No. 04718112.0
and Japanese No. 2006-509209; with an
equivalent assignment of United States
of America No. 11/220,997 thereby 

**Executed by the said
Xylon, L.L.C.**

in accordance with the laws
of its incorporation

By:


Name: LOUIS A. SERAFIN, JR.

Position: TREASURER

Assignment of IP (No. 12)



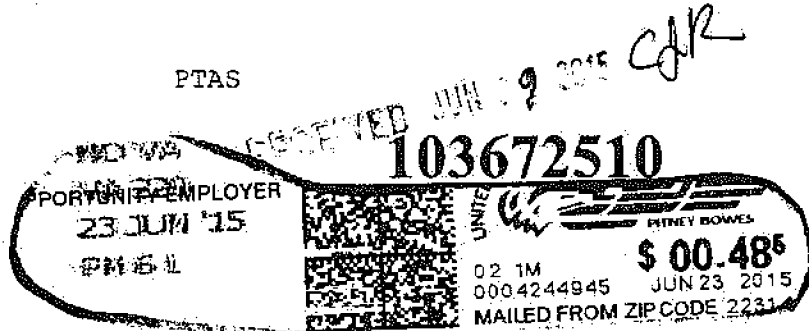
UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUNE 19, 2015

PTAS

CHRISTOPHER JOHN RUDY
CER-CER-704
209 HURON AVE., STE. 8
PORT HURON, MICHIGAN 48060



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RECORDATION DATE: 06/08/2015

REEL/FRAME: 035857/0686
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SERAFIN, LOUIS A. JR.

DOC DATE: 04/03/2006

ASSIGNOR:

BURLINGAME, NICHOLAS H.

DOC DATE: 04/06/2006

ASSIGNEE:

SIGNAL MEDICAL CORPORATION
400 PYRAMID DR.
MARYSVILLE, MICHIGAN 48040

APPLICATION NUMBER: 11401394

FILING DATE: 04/10/2006

PATENT NUMBER:

ISSUE DATE:

TITLE: HARDER-SOFTER HARD SUBSTANCE ARTICULATION FOR ARTHROPLASTY

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

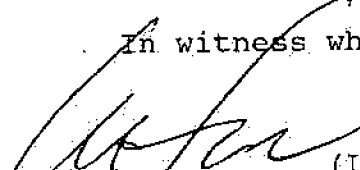
ASSIGNMENT

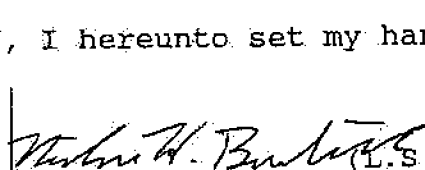
Whereas Inventor(s): Louis A. Serafin, Jr. of 3315 Berry Drive, Lakeport, MI 48059; Nicholas H. Burlingame of 6066 South Road, Belmont, NY 14813, and Gerald J. Jerry, Jr. of 2009 North River Road, St. Clair, MI 48079, has/have invented certain new and useful improvements in a HARDER-SOFTER HARD SUBSTANCE ARTICULATION FOR ARTHROPLASTY, for which an application for letters patent of the United States of America is executed on even date (Attorney Docket No. CER-CER-704); and whereas Signal Medical Corporation, a corporation of the State of Michigan, with an address of 400 Pyramid Drive, Marysville, MI 48040, hereinafter, Assignee, is/are desirous of acquiring the above-identified property;

Now therefore, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said named Inventor, by these presents do sell, assign and transfer unto the said Assignee, my entire right, title and interest in and to the invention(s) described and claimed in such application and any and all further, continuing, divisional, revival, substitute and so forth application(s), and registration(s) and patent(s) granted for the same, and any and all re-examination, re-issue, extension, and so forth application(s) and patent(s), in the United States of America and her Territories and Possessions, and all other Nations and Territories throughout the world, and Outer Space.

I, the said Inventor, furthermore, hereby agree and covenant to assist the said Assignee, its/his assigns, heirs, or other representatives and so forth under law, by signing all lawful documents, and providing all lawful testimony, to support the invention(s), the application(s), and any patent(s) issuing thereon.

In witness whereof, I hereunto set my hand and affix my seal:

 (L.S.)
Louis A. Serafin, Jr.
Date: 3 APR 06

 (L.S.)
Nicholas H. Burlingame
Date: 4/6/06

*Decl'n /s/GJJ Jr.
3/30/06

(L.S.)
Gerald J. Jerry, Jr.
Date: _____

NOTARIZATION for LAS:
State of Michigan)
SS.
County of St. Clair)

NOTARIZATION for NHB:
State of New York)
SS.
County of Allegany)

NOTARIZATION for GJJ:
State of Michigan)
SS.
County of St. Clair)

Before me on this 3rd day of April, 2006 personally came said Louis A. Serafin, Jr., known to me, who acknowledged the foregoing instrument as his free act and deed.

Before me on this 6th day of April, 2006 personally came said Nicholas H. Burlingame, known to me, who acknowledged the foregoing instrument as his free act and deed.

Before me on this _____ day of _____, 2006 personally came said Gerald J. Jerry, Jr., known to me, who acknowledged the foregoing instrument as his free act & deed.

SEAL Marjorie J. Connor
Notary Public

SEAL Rosemarie Marks
Notary Public

SEAL _____
Notary Public

Marjorie J. Connor, Notary Public
State of Michigan, County of St. Clair
My Commission Expires 5/2/2011
Acting in the County of _____

ROSEMARIE MARKS, Notary Public
State of New York, Allegany County
Official No. 4621900
My Commission Expires 12/31/06

Assignment of IP (No. 13)

ASSIGNMENT

Whereas Inventor(s): Louis A. Serafin, Jr. of 2315 Berry Drive, Lakewood, MI 48053; Gerald J. Jerry, Jr. of 2009 North River Road, St. Clair, MI 48079; Nicholas H. Burlingame of 5066 South Road, Belmont, NY 14813; and Lee Allen Stouse of 2698 Canfield Trail, Brighton, MI 48114, has/have invented certain new and useful improvements in a METAL/ALLOY ON CERAMIC COATING, for which a U.S. regular utility patent application was filed on January 24, 2007 as application No. 11/657,385; and whereas SIGNAL MEDICAL CORPORATION, a corporation of the State of Michigan, U.S.A., with an office address of 400 Pyramid Dr., Marysville, MI 48040, U.S.A., hereinafter Assignee, is desirous of acquiring the above-identified property:

Now therefore, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged; I, the said named Inventor, by these presents do sell, assign and transfer unto the said Assignee, my entire right, title and interest in and to the invention(s), which is(are) described and claimed in such applications and any and all further, national or regional, continuing, continuation, continuation-in-part, divisional, revival, substitute and so forth application(s), and registration(s), and patent(s) granted for the same, and any and all re-examination, re-issue, extension, and so forth application(s) and patent(s), in the United States of America and her Territories and Possessions, and in all other Nations and Territories and Regions throughout the world, and in Outer Space. I, the said Inventor, furthermore, hereby agree and covenant to assist the said Assignee, its/his/her assigns, heirs, or other representatives and so forth under law, by signing all lawful documents, and providing all lawful testimony, to support the invention(s), the application(s), and any and all patent(s) and/or registration(s) issuing thereon.

I do witness whereof, I hereunto set my hand and affix my seal:

<p><i>[Signature]</i> Louis A. SERAFIN, JR. Date: 9/19/08</p>	<p><i>[Signature]</i> Nicholas H. BURLINGAME Date: 9/19/08</p>	<p><i>[Signature]</i> Gerald J. JERRY, JR. Date: 9/19/08</p>	<p><i>[Signature]</i> Lee Allen STOUSE Date: 9/22/08</p>
<p>NOTARIZATION: State of Mich. SS. Co. of St. Clair</p>	<p>NOTARIZATION: State of Mich. SS. Co. of Allegany</p>	<p>NOTARIZATION: State of Mich. SS. Co. of St. Clair</p>	<p>NOTARIZATION: State of Mich. SS. Co. of Livingston</p>
<p>Before me, this 19th day of September, 2008, personally came said Louis A. Serafin, Jr., known to me, who acknowledged the above instrument as his free act and deed.</p>	<p>Before me, this 19th day of September, 2008, personally came said Nicholas H. Burlingame, known to me, who acknowledged the above instrument as his free act and deed.</p>	<p>Before me, this 19th day of September, 2008, personally came said Gerald J. Jerry, Jr., known to me, who acknowledged the above instrument as his free act and deed.</p>	<p>Before me, this 22nd day of September, 2008, personally came said Lee Allen Stouse, known to me, who acknowledged the above instrument as his free act and deed.</p>
<p>SEAL Not. Public Marilyn J. Conner, Notary Public State of Michigan, County of St. Clair My Commission Expires 07/20/11 Acting in the County of St. Clair</p>	<p>SEAL Not. Public Rose Marie Warren, Notary Public State of New York, Allegany County Official No. 4471903 My Commission Expires 12/31/2010</p>	<p>SEAL Not. Public William J. Klose State of Michigan, County of Livingston My Commission Expires 10/02/2013 Acting in the County of Livingston</p>	<p>SEAL Not. Public William J. Klose State of Michigan, County of Livingston My Commission Expires 10/02/2013 Acting in the County of Livingston</p>

METAL/ALLOY ON CERAMIC COATING

This claims benefits under 35 USC 119(e) of provisional patent application No. US60/763,271 filed on Jan. 26, 2006 A.D. The specification of that application is incorporated herein by reference in its entirety.

FIELD OF THE INVENTION

This invention concerns metal or metal alloy coating of or on ceramic. For instance, a ceramic prosthetic implant or other article of manufacture can be coated with metal or metal alloy.

BACKGROUND TO THE INVENTION

In certain instances, it may be desirable to provide a porous coating to an implant for ingrowth of tissue, for example, bone. A typical porous coating is of metal such as a vapor deposited tantalum. If the implant were of ceramic such a coating may be provided, but doubts as to its efficacy may be entertained.

Chapier et al., patent No. US 6,319,285 B2, discloses a ceramic acetabular cup with metal coating. A drawback with such a disclosure, however, includes narrow applicability.

Also, certain metal components may have ceramic coatings.

Thus, some jet engine parts may have ceramic coatings, and Bekki et al., U.S. patent No. 5,007,932, discloses an artificial bone joint, which may employ metal to form the body, and the surface may be coated with ceramics.

It would be desirable to ameliorate if not overcome problems or drawbacks in the art. It would be desirable, moreover, to improve the art and/or provide alternatives thereto.

LASCOAT-730

Assignment of IP (No. 15)



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUNE 07, 2006

PTAS



103212125A

C. RUDY, ESQ.
BORE-699
209 HURON AVE. #8
PORT HURON, MI 48060

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RECORDATION DATE: 03/29/2006

REEL/FRAME: 017738/0102
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
SERAFIN, JR., LOUIS A.

DOC DATE: 03/27/2006

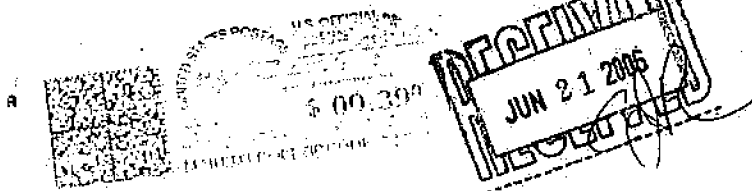
ASSIGNOR:
BURLINGAME, NICHOLAS H.

DOC DATE: 03/28/2006

ASSIGNEE:
SIGNAL MEDICAL CORPORATON
400 PYRAMID DR.
MARYSVILLE, MICHIGAN 48040

SERIAL NUMBER: 11391823
PATENT NUMBER:
TITLE: IMPLANT BORE INSERT

FILING DATE: 03/29/2006
ISSUE DATE:



P.O. Box 1450, Alexandria, Virginia 22313-1450 - www.uspto.gov

017738/0102 PAGE 2

JEEVON JONES, EXAMINER
ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

PATENT
REEL: 047254 FRAME: 0136

Assignment of IP (No. 16)

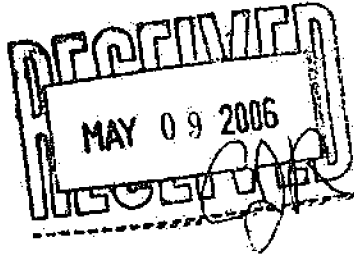


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 United States Patent and Trademark Office
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 Alexandria, Virginia 22313-1450
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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
11/401,395	04/10/2006	3738	500	RING-703	1	11	2

41324
 CHRISTOPHER JOHN RUDY
 209 HURON AVENUE, SUITE 8
 PORT HURON, MI 48060



CONFIRMATION NO. 4390
 FILING RECEIPT



Date Mailed: 05/04/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Louis A. Serafin JR., Lakeport, MI;
 Nicholas H. Burlingame, Belmont, NY;
 Gerald J. Jerry JR., St. Clair, MI;

Power of Attorney: The patent practitioners associated with Customer Number 41324.

Domestic Priority data as claimed by applicant

This appln claims benefit of 60/676,667 04/29/2005

Foreign Applications

If Required, Foreign Filing License Granted: 05/03/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US11/401,395**

Projected Publication Date: Request for Non-Publication Acknowledged

Non-Publication Request: Yes

Early Publication Request: No

** SMALL ENTITY **

Title	Implant body with ring
Preliminary Class	623

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES **PATENT**