

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	Confirmatory Assignment														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Katherine Gomes Truncale</td> <td>01/11/2012</td> </tr> <tr> <td>Eric J. Semler</td> <td>01/11/2012</td> </tr> <tr> <td>Arthur A. Gertzman</td> <td>01/10/2012</td> </tr> <tr> <td>Moon Hae Sunwoo</td> <td>01/10/2012</td> </tr> <tr> <td>William W. Tomford</td> <td>01/30/2012</td> </tr> <tr> <td>Roman Shikhanovich</td> <td>01/20/2012</td> </tr> </tbody> </table>		Name	Execution Date	Katherine Gomes Truncale	01/11/2012	Eric J. Semler	01/11/2012	Arthur A. Gertzman	01/10/2012	Moon Hae Sunwoo	01/10/2012	William W. Tomford	01/30/2012	Roman Shikhanovich	01/20/2012
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William W. Tomford	01/30/2012														
Roman Shikhanovich	01/20/2012														
RECEIVING PARTY DATA															
Name:	Musculoskeletal Transplant Foundation														
Street Address:	125 May Street, Suite 300														
Internal Address:	Edison Corporate Center														
City:	Edison														
State/Country:	NEW JERSEY														
Postal Code:	08837														
PROPERTY NUMBERS Total: 1															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12931427</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12931427										
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Application Number:	12931427														
CORRESPONDENCE DATA															
Fax Number:	(973)295-1262														
Phone:	973-443-3562														
Email:	bleiche@gtlaw.com														
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>															
Correspondent Name:	Greenberg Traurig, LLP														
Address Line 1:	200 Park Avenue														
Address Line 4:	Florham Park, NEW JERSEY 07932														
ATTORNEY DOCKET NUMBER:	103248-010611														

CH \$40.00 12931427

NAME OF SUBMITTER:

Eric E. Bleich

Total Attachments: 5

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CONFIRMATORY ASSIGNMENT

WHEREAS, WE, KATHERINE GOMES TRUNCALE, a citizen of the United States of America, residing at 4 Riverview Terrace, Hillsborough, New Jersey 08844; ERIC J. SEMLER, a citizen of the United States of America residing at 117 Orion Road, Piscataway, New Jersey 08854; ARTHUR A. GERTZMAN, a citizen of the United States of America residing at 17 Biggs Place, Flemington, New Jersey 08822; MOON HAE SUNWOO, a citizen of the United States of America residing at 28 Lakeview Drive, Old Tappan, New Jersey 07675; WILLIAM W. TOMFORD a citizen of the United States of America residing at 72 Pinehurst Road, Belmont, Massachusetts 02478; and ROMAN SHIKHANOVICH, a citizen of the United States of America residing at 13 Eardley Road, Edison, New Jersey 08817 (hereinafter "Assignors") collaborated with JUDITH I. YANNARIELLO-BROWN, ALEX B. CALLAHAN, MORRIS L. JACOBS, JOHN C. MUNSON, and YEN-CHEN HUANG (hereinafter "Co-Inventors") to make certain inventions for which a U.S. non-provisional patent application was filed in the United States Patent and Trademark Office on March 5, 2009 as Application Serial No. 12/381,072 (hereinafter "the '072 Patent Application"), and which claims priority to (i) U.S. Provisional Patent Application Serial No. 61/189,252 filed August 15, 2008, and (ii) U.S. Provisional Patent Application Serial No. 61/205,433 filed January 15, 2009;

WHEREAS WE, the Assignors, were named as the inventors of at least some of the aforesaid inventions (hereinafter "the Inventions") in a U.S. non-provisional patent application directed to the Inventions that was filed in the United States Patent and Trademark Office on February 1, 2011 as a divisional of the '072 Patent Application, and that was assigned Application Serial No. 12/931,427 (hereinafter "the '427 Patent Application");

WHEREAS the Assignors and the Co-Inventors executed an Assignment, variously, on one of the following dates: May 12, 2009, May 18, 2009, May 19, 2009, May 20, 2009, May 21, 2009, and June 24, 2009 (said Assignment being recorded in the United States Patent and Trademark Office at Reel/Frame numbers 023035/0124 and 023035/0218) for the purpose of assigning their entire right, title and interest in and to, inter alia, the '072 Patent Application and the inventions disclosed and claimed therein, including the Inventions, all divisional applications of the '072 Patent Application, including the '427 Patent Application, and any Letters Patent that may be granted thereon or therefrom to MUSCULOSKELETAL TRANSPLANT FOUNDATION, a not-for-profit corporation organized and existing under the laws of the District of Columbia and having a principal place of business at Edison Corporate Center, 125 May Street, Suite 300, Edison, New Jersey 08837 (hereinafter "Assignee"); and

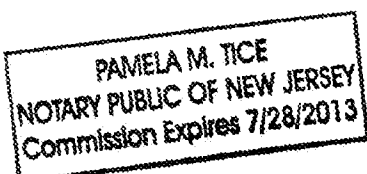
WHEREAS, Assignors and Assignee are desirous of confirming the aforesaid Assignment and the specifics pertaining thereto;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignors hereby confirm that they have sold, assigned and set over to said Assignee their entire right, title and interest in and for the United States of America and all other countries in and to said inventions, including the Inventions, and the aforesaid applications, all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefor or therefrom in the United States of America and all other countries, and the Commissioner for Patents is hereby authorized and requested to issue all patents on said applications and/or applications resulting therefrom to said Assignee herein as assignee of the entire interest therein; and the undersigned for them and their legal representatives, heirs and assigns do hereby agree and covenant, without further remuneration, to execute and deliver all divisional, continuation, continuation-in-part, reissue and other applications for patent on said invention and all assignments thereof to said Assignee or its assigns, to communicate to said Assignee or its legal representatives all facts known to the undersigned respecting said inventions, including the Inventions, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths and to do generally everything necessary to aid said Assignee, its successors, assigns and nominees in obtaining patent protection on said invention in all countries, the expenses incident to said applications to be borne and paid by said Assignee.

Date: 1/11/12By: Katherine A Truncale
KATHERINE GOMES TRUNCALEState of NEW JERSEYCounty of MIDDLESEX

On this 11th day of JANUARY, 2012, before me personally came the above-named KATHERINE GOMES TRUNCALE to me personally known as the individual who executed the foregoing instrument, who acknowledged to me the same was executed by her of her own free will for the uses and purposes therein mentioned.

Pamela M. Tice
Notary Public



Date: 1/11/12

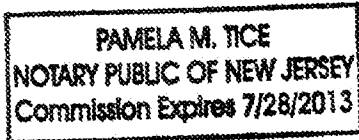
By: *Eric J. Semler*
ERIC J. SEMLER

State of NEW JERSEY

County of MIDDLESEX

On this 11th day of JANUARY, ~~2011~~ ^{2012/MS}, before me personally came the above-named ERIC J. SEMLER to me personally known as the individual who executed the foregoing instrument, who acknowledged to me the same was executed by him of his own free will for the uses and purposes therein mentioned.

Pamela M. Tice
Notary Public



Date: 1/10/12

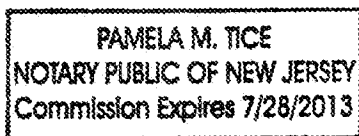
By: *Arthur A. Gertzman*
ARTHUR A. GERTZMAN

State of NEW JERSEY

County of MIDDLESEX

On this 10 day of January, ~~2011~~ ^{2012/MS}, before me personally came the above-named ARTHUR A. GERTZMAN to me personally known as the individual who executed the foregoing instrument, who acknowledged to me the same was executed by him of his own free will for the uses and purposes therein mentioned.

Pamela M. Tice
Notary Public



Date: 1/10/2012

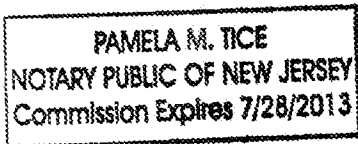
By: Moona Hae Sunwoo
MOON HAE SUNWOO

State of NEW JERSEY

County of MIDDLESEX

On this 10th day of JANUARY, ^{2012 (M)} ~~2011~~, before me personally came the above-named MOON HAE SUNWOO to me personally known as the individual who executed the foregoing instrument, who acknowledged to me the same was executed by her of her own free will for the uses and purposes therein mentioned.

Pamela M. Tice
Notary Public



Date: 30 Jan 2012

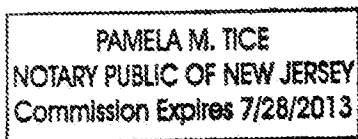
By: William W. Tomford
WILLIAM W. TOMFORD

State of NEW JERSEY

County of MIDDLESEX

On this 30 day of JANUARY, ^{2012 (M)} ~~2011~~, before me personally came the above-named WILLIAM W. TOMFORD to me personally known as the individual who executed the foregoing instrument, who acknowledged to me the same was executed by him of his own free will for the uses and purposes therein mentioned.

Pamela M. Tice
Notary Public



Date: 1/20/12

By: Roman Shikh
ROMAN SHIKHANOVICH

State of NEW JERSEY

County of MIDDLESEX

On this 20 day of JANUARY, ^{2012/OND} 2011, before me personally came the above-named ROMAN SHIKHANOVICH to me personally known as the individual who executed the foregoing instrument, who acknowledged to me the same was executed by her of her own free will for the uses and purposes therein mentioned.

Pamela M. Tice
Notary Public

