

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5518947

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MURRAY DAVID SOLSBERG	11/12/2014
DOUGLAS PRESTON BEALL	11/18/2014
RYAN ERICH DEAN	11/18/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THIXOS LLC
<b>Street Address:</b>	15 HUNTWICK LANE
<b>City:</b>	ENGLEWOOD
<b>State/Country:</b>	COLORADO
<b>Postal Code:</b>	80113
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16271133
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(303)770-0152
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	303-770-0051
<b>Email:</b>	ptomail@mfblaw.com
<b>Correspondent Name:</b>	MARSH FISCHMANN & BREYFOGLE LLP
<b>Address Line 1:</b>	8055 E. TUFTS AVENUE
<b>Address Line 2:</b>	SUITE 450
<b>Address Line 4:</b>	DENVER, COLORADO 80237
<b>ATTORNEY DOCKET NUMBER:</b>	50950-00006
<b>NAME OF SUBMITTER:</b>	ROSS E. BREYFOGLE
<b>SIGNATURE:</b>	/Ross E. Breyfogle/
<b>DATE SIGNED:</b>	05/09/2019
<b>Total Attachments: 6</b>	
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ASSIGNMENT

WHEREAS, we, **MURRAY DAVID SOLSBERG** of 15 Huntwick Lane, Englewood, Colorado 80113, **DOUGLAS PRESTON BEALL** of 1415 N. Hudson Avenue, Oklahoma City, Oklahoma 73103, and **RYAN ERICH DEAN** of 1107 Old Farm Road, Valhalla, New York 10595, have invented a certain new and useful invention entitled "**DEVICES, KITS AND METHODS RELATING TO TREATMENT OF FACET JOINTS**", for which an international patent application designating all states, including the United States of America, has been prepared and filed pursuant to the Patent Cooperation Treaty with the U.S. Patent & Trademark Office on **November 11, 2014** receiving **Serial No. PCT/US2014/064925**, and further identified as Attorney File No. **50950-00003**;

NOW THEREFORE, be it known that we together and each of us individually, for and in consideration of certain good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, at the request of the assignee do sell, assign and transfer unto said assignee, **THIXOS LLC.**, a Colorado limited liability company having a place of business at 15 Huntwick Lane, Englewood, Colorado 80113, its successors, legal representatives and assigns, the aforesaid application and all rights to claim priority directly or indirectly to the aforesaid application and all converted non-provisional utility, continuation, divisional, continuation-in-part and reissue applications, all patent applications that claim priority directly or indirectly to the aforesaid application, all patent applications in foreign countries, all applications pursuant to the Patent Cooperation Treaty and all applications for extension filed or to be filed for the invention(s), and all Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights, obtained for the invention(s) in the United States or any other country; each of us also assigns any right, title or interest in and to the invention(s) that has not already been transferred to the assignee; each of us warrants that no assignment of the invention(s), application or patent therefor has been made to a party other than **THIXOS LLC.**; each of us warrants that there is no obligation to make any assignment of the invention(s), application, or any patent therefor to any party other than **THIXOS LLC.**; and each of us further agrees to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming assignee's exclusive ownership of the invention(s), but at the expense of said assignee.

The Commissioner For Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this Assignment to **THIXOS LLC.**, its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, the party hereto has executed this Assignment as of the date indicated hereunder.

Date: Nov 12, 14

By: *MD Solsberg, MD*  
**MURRAY DAVID SOLSBERG**

Date: \_\_\_\_\_

By: \_\_\_\_\_  
**DOUGLAS PRESTON BEALL**

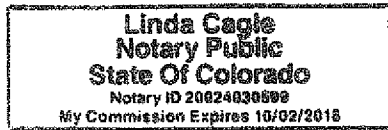
Date: \_\_\_\_\_

By: \_\_\_\_\_  
**RYAN ERICH DEAN**

STATE OF Colorado )  
 ) ss.  
COUNTY OF Arapahoe )

Before me, a Notary Public in and for said County and State, personally appeared **MURRAY DAVID SOLSBERG**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 12 day of November, 2014.



Linda Cagle  
Notary Public  
My Commission Expires: 10-02-2018

STATE OF )  
 ) ss.  
COUNTY OF )

Before me, a Notary Public in and for said County and State, personally appeared **DOUGLAS PRESTON BEALL**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this \_\_\_\_\_ day of \_\_\_\_\_, 2014.

\_\_\_\_\_  
Notary Public  
My Commission Expires:

STATE OF )  
 ) ss.  
COUNTY OF )

Before me, a Notary Public in and for said County and State, personally appeared **RYAN ERICH DEAN**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this \_\_\_\_\_ day of \_\_\_\_\_, 2014.

\_\_\_\_\_  
Notary Public  
My Commission Expires:

ASSIGNMENT

WHEREAS, we, **MURRAY DAVID SOLSBERG** of 15 Huntwick Lane, Englewood, Colorado 80113, **DOUGLAS PRESTON BEALL** of 1415 N. Hudson Avenue, Oklahoma City, Oklahoma 73103, and **RYAN ERICH DEAN** of 1107 Old Farm Road, Valhalla, New York 10595, have invented a certain new and useful invention entitled "**DEVICES, KITS AND METHODS RELATING TO TREATMENT OF FACET JOINTS**", for which an international patent application designating all states, including the United States of America, has been prepared and filed pursuant to the Patent Cooperation Treaty with the U.S. Patent & Trademark Office on **November 11, 2014** receiving **Serial No. PCT/US2014/064925**, and further identified as Attorney File No. **50950-00003**;

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IN WITNESS WHEREOF, the party hereto has executed this Assignment as of the date indicated hereunder.

Date: \_\_\_\_\_

By: \_\_\_\_\_

**MURRAY DAVID SOLSBERG**

Date: 11/18/14

By: \_\_\_\_\_

**DOUGLAS PRESTON BEALL**

Date: \_\_\_\_\_

By: \_\_\_\_\_

**RYAN ERICH DEAN**

STATE OF )  
 ) ss.  
COUNTY OF )

Before me, a Notary Public in and for said County and State, personally appeared **MURRAY DAVID SOLSBERG**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this \_\_\_\_\_ day of \_\_\_\_\_, 2014.

\_\_\_\_\_  
Notary Public  
My Commission Expires:

STATE OF Oklahoma )  
 ) ss.  
COUNTY OF Oklahoma )

Before me, a Notary Public in and for said County and State, personally appeared **DOUGLAS PRESTON BEALL**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 18<sup>th</sup> day of November, 2014.



London King  
Notary Public  
My Commission Expires: 07/23/18

STATE OF )  
 ) ss.  
COUNTY OF )

Before me, a Notary Public in and for said County and State, personally appeared **RYAN ERICH DEAN**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this \_\_\_\_\_ day of \_\_\_\_\_, 2014.

\_\_\_\_\_  
Notary Public  
My Commission Expires:

ASSIGNMENT

WHEREAS, we, **MURRAY DAVID SOLSBERG** of 15 Huntwick Lane, Englewood, Colorado 80113, **DOUGLAS PRESTON BEALL** of 1415 N. Hudson Avenue, Oklahoma City, Oklahoma 73103, and **RYAN ERICH DEAN** of 1107 Old Farm Road, Valhalla, New York 10595, have invented a certain new and useful invention entitled "**DEVICES, KITS AND METHODS RELATING TO TREATMENT OF FACET JOINTS**", for which an international patent application designating all states, including the United States of America, has been prepared and filed pursuant to the Patent Cooperation Treaty with the U.S. Patent & Trademark Office on **November 11, 2014** receiving **Serial No. PCT/US2014/064925**, and further identified as Attorney File No. **50950-00003**;

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The Commissioner For Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this Assignment to **THIXOS LLC.**, its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, the party hereto has executed this Assignment as of the date indicated hereunder.

Date: \_\_\_\_\_ By: \_\_\_\_\_  
**MURRAY DAVID SOLSBERG**

Date: \_\_\_\_\_ By: \_\_\_\_\_  
**DOUGLAS PRESTON BEALL**

Date: 11/18/14 By: \_\_\_\_\_  
**RYAN ERICH DEAN**

STATE OF )  
 ) ss.  
COUNTY OF )

Before me, a Notary Public in and for said County and State, personally appeared **MURRAY DAVID SOLSBERG**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this \_\_\_\_\_ day of \_\_\_\_\_, 2014.

\_\_\_\_\_  
Notary Public  
My Commission Expires:

STATE OF )  
 ) ss.  
COUNTY OF )

Before me, a Notary Public in and for said County and State, personally appeared **DOUGLAS PRESTON BEALL**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this \_\_\_\_\_ day of \_\_\_\_\_, 2014.

\_\_\_\_\_  
Notary Public  
My Commission Expires:

STATE OF *New York* )  
 ) ss.  
COUNTY OF *Westchester* )

Before me, a Notary Public in and for said County and State, personally appeared **RYAN ERICH DEAN**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this *18<sup>th</sup>* day of *November*, 2014.

PATRICIA J. TRAVIS  
Notary Public, State of New York  
No. 4895803  
Qualified in Putnam County  
Term Expires August 3, *2017*

*Patricia J. Travis*  
\_\_\_\_\_  
Notary Public  
My Commission Expires: *8-3-17*