

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	YALING SHI	06/10/2016
RECEIVING PARTY DATA		
Name:	ALLOSOURCE	
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City:	CENTENNIAL	
State/Country:	COLORADO	
Postal Code:	80111	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	14880675	
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NAME OF SUBMITTER:	NATHAN S. CASSELL	
SIGNATURE:	/Nathan S. Cassell/	
DATE SIGNED:	06/10/2016	
Total Attachments: 2		
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NUNC PRO TUNC ASSIGNMENT
(EFFECTIVE NOVEMBER 16, 2009)

I, Yaling Shi, (hereinafter referred to as the “undersigned”) having made certain new and useful inventions and improvements related to

“ALLOGRAFTS COMBINED WITH TISSUE DERIVED STEM CELLS FOR BONE HEALING,”

and having executed on November 6, 2009 a utility non-provisional patent application for United States Letters Patent (**US Patent Application Number 12/612,583** filed November 4, 2009, now U.S. Patent No. 9,192,695 issued November 24, 2015) from which **PCT Patent Application No. PCT/US2009/064611** filed November 16, 2009 (Publication No. WO 2010/059565, published May 27, 2010) claims priority, disclosing said inventions and improvements.

For good and valuable consideration, the receipt and sufficiency of which I acknowledge, I:

1. Agree to assign, transfer, convey, and sell, hereby assign, transfer, convey, and sell and have assigned, transferred, conveyed, and sold to AlloSource having a principal place of business at 6278 South Troy Circle, Centennial, CO 80111 (“Assignee”), the entire right, title, and interest in and to:
 - (a) all intellectual property (including, without limitation, any innovation, information, invention, discovery, product, process, work or design) disclosed, embodied, shown, or claimed in the above-referenced US and PCT patent applications, implicitly or explicitly;
 - (b) the above-referenced US and PCT patent applications, the right to claim priority to the above-referenced US and PCT patent applications, all applications based in whole or in part upon the above-referenced US and PCT patent applications, including, without limitation, all applications that are a provisional, non-provisional, design, divisional, continuation, continuation-in-part, registration, utility model, industrial design, reissue, renewal, substitute, extension, reexamination, post-grant review, inter partes review, supplemental examination or non-U.S. patent application or application for other rights based in whole or in part on the above-referenced US and PCT patent applications;
 - (c) all patents (including, without limitation, all U.S. and non-U.S. patents, registrations, utility models, industrial designs, design patents, counterparts, continuations, continuations-in-part, divisionals, reissues, renewals, substitutes, extensions, reexaminations, post-grant reviews, inter

partes reviews and supplemental examinations) that are granted or issued upon, or that claim priority to, any and all applications described in (b) of this paragraph or that disclose or claim intellectual property described in (a) of this paragraph, in whole or in part; and

(d) all claims for damages by reason of past infringement of any rights under the applications or patents described in (a), (b) or (c) of this paragraph (including provisional rights to reasonable royalties pursuant to 35 U.S.C. §154(d)) and the right to sue for and collect such damages and royalties for Assignee's own use.

2. Authorize and request the U.S. Patent and Trademark Office or any other U.S. or non-U.S. agency to issue to the Assignee any and all patent(s), or other rights or documents, resulting from the intellectual property, patent application(s) and patents described in paragraph 1 of this Assignment.
3. Agree to sign all papers and documents, including without limitation, applications, declarations, oaths and petitions, and, at the Assignee's expense, perform any other acts that are necessary in connection with prosecution of patent application(s) or intellectual property described in paragraph 1 of this Assignment and the enforcement of patent(s) or other rights resulting from such patent application(s) or intellectual property.
4. Agree that the terms, covenants, and conditions of this Assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon me, as well as my heirs, legal representatives, and assigns.
5. Promise and affirm that I have not entered, and will not enter, into any assignment, contract, or understanding that conflicts with this Assignment.
6. Make this Assignment to have the same legal force and effect as if executed on November 16, 2009.

Signed on the date indicated beside my signature.

Signature: _____

Yaling Shi

Date: _____

6/16/16

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