

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
AMANDA BROOKS	08/17/2015
DAVID GRAINGER	08/15/2015
KRISTOFER D. SINCLAIR	08/06/2015
BENJAMIN BROOKS	08/17/2015
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<b>Property Type</b>	<b>Number</b>
Application Number:	15868625
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<b>ATTORNEY DOCKET NUMBER:</b>	3787/1008
<b>NAME OF SUBMITTER:</b>	ELIZABETH N. SPAR
<b>SIGNATURE:</b>	/Elizabeth N. Spar/
<b>DATE SIGNED:</b>	02/13/2018
<b>Total Attachments: 4</b>	
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## ASSIGNMENT

ASSIGNOR: Amanda Brooks  
David Grainger  
Kristofer D. Sinclair  
Benjamin Brooks

ASSIGNEE: University of Utah Research Foundation  
615 Arapeen Drive, Suite 310  
Salt Lake City, UT 84108

INVENTION: Implantable Devices for Bone or Joint Defects

ATTORNEY DOCKET: 3787/1007

US APPL NO: 14/765,662

INT'L APPL NO: PCT/US2014/014832

FILING DATE: February 5, 2014

Assignor is a joint inventor (if more than one inventor is listed above) of the above invention (the "Invention") described in a United States patent application (the "Application") bearing the above attorney docket number and having as a title the above name for the Invention. The Application has a Patent and Trademark Office filing date and serial number as indicated above, or if no filing date and serial number are shown, has a Declaration executed by Assignor contemporaneously with this Assignment.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States application (including divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

I hereby authorize and request Sunstein Kann Murphy & Timbers LLP to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date: 8/17/15

Amanda E Brooks  
Amanda Brooks, Assignor

I affirm that I did witness the above-named individual sign this document in my presence.

Date: 8/17/15

Witness Signature: John Curley

Witness Printed Name John Curley

Date: 15 August 2015 David Grainger  
David Grainger, Assignor

I affirm that I did witness the above-named individual sign this document in my presence.

Date: 17 Aug 2015  
Witness Signature: [Signature]  
Witness Printed Name Kristofer D. Sinclair

Date: 6 Aug 2015 [Signature]  
Kristofer D. Sinclair, Assignor

I affirm that I did witness the above-named individual sign this document in my presence.

Date: August 6, 2015  
Witness Signature: Rick P. Andriano  
Witness Printed Name Rick Andriano

Date: \_\_\_\_\_  
Benjamin Brooks, Assignor

I affirm that I did witness the above-named individual sign this document in my presence.

Date: \_\_\_\_\_  
Witness Signature: \_\_\_\_\_  
Witness Printed Name \_\_\_\_\_

Date: \_\_\_\_\_  
David Grainger, Assignor

I affirm that I did witness the above-named individual sign this document in my presence.

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

Witness Signature: \_\_\_\_\_

Witness Printed Name: \_\_\_\_\_

Date: 6 Aug, 2015

Kristofer D. Sinclair  
Kristofer D. Sinclair, Assignor

I affirm that I did witness the above-named individual sign this document in my presence.

Date: August 6, 2015

Witness Signature: Kirk P. Andriano

Witness Printed Name: Kirk Andriano

Date: 8/17/15

Benjamin Brooks  
Benjamin Brooks, Assignor

I affirm that I did witness the above-named individual sign this document in my presence.

Date: 8-17-15

Witness Signature: Susan Morrow

Witness Printed Name: Susan Morrow