# 503841995 05/25/2016

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3888643

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
PAUL SPENCE	03/09/2016
ROB DOWLING	03/24/2016
ROBERT T.V. KUNG	03/18/2016
CAITLYN HASTIE	05/10/2016
THORSTEN SIESS	03/09/2016
ERIC GRATZ	05/06/2016
GERD SPANIER	03/18/2016

## **RECEIVING PARTY DATA**

Name:	ABIOMED, INC.
Street Address:	22 CHERRY HILL DRIVE
City:	DANVERS
State/Country:	MASSACHUSETTS
Postal Code:	01923

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14420590

#### **CORRESPONDENCE DATA**

**Fax Number:** (617)235-9492

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.

**Email:** maria.marley@ropesgray.com

Correspondent Name: ROPES & GRAY LLP

Address Line 1: 1211 AVENUE OF THE AMERICAS
Address Line 4: NEW YORK, NEW YORK 10036

ATTORNEY DOCKET NUMBER:	103945-0032-301
NAME OF SUBMITTER:	MARIA E. MARLEY
SIGNATURE:	/MARIA E. MARLEY/
DATE SIGNED:	05/25/2016
	·

**Total Attachments: 8** 

PATENT REEL: 038715 FRAME: 0591

503841995

source=103945-0032-301-Assignment#page1.tif	
source=103945-0032-301-Assignment#page2.tif	
source=103945-0032-301-Assignment#page3.tif	
source=103945-0032-301-Assignment#page4.tif	
source=103945-0032-301-Assignment#page5.tif	
source=103945-0032-301-Assignment#page6.tif	
source=103945-0032-301-Assignment#page7.tif	
source=103945-0032-301-Assignment#page8.tif	

PATENT REEL: 038715 FRAME: 0592

## CONFIRMATORY ASSIGNMENT

WHEREAS, we, Paul Spence, Rob Dowling. Bob Kung, Caitlyn Hastie, Thorsten Siess, Eric Gratz, and Gerd Spanier, have invented a certain improvement in GRAFT ANCHOR DEVICES, SYSTEMS AND METHODS described in an application for Letters Patent of the United States, the specification of which:

,	is being executed on even date herewith; and is about to be filed in the United States Putent Office;
[X]	was filed on February 9, 2015 as Application No. 14/420,590;
1 1	was patented under U.S. Patent Noon

WHEREAS, Abiomed, Inc., (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Delaware, having principal offices at 22 Cherry Hill Drive, Danvers, MA 01923, desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we confirm that we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon, and any reissue, continuation, divisional and foreign counterparts thereof and including the right to claim priority under any applicable statute, treaty or convention based on said application; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, all choses in action pertaining to the applications or Letters Patent including the right to sue for and collect damages and other recoveries for past infringement thereof, all rights to initiate proceedings before government and administrative bodies, and all files, records and other materials arising from the prosecution, exploitation, or defense of rights and registrations pertaining to the applications or Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEB's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

Page 1

PATENT

REEL: 038715 FRAME: 0593

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

As the inventor/s, we each declare as follows:

The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in the declaration set forth in this paragraph is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Inventor	Paul Spence		Que		Date:	<u> </u>	016
Address	2818	ORION	<u> RI) </u>	40011	VICCÉ	<u>ky</u>	
Witness	M SK	M Coppe		01	Date: 3/9	1/1	
Address	1 - 150		<u>41)UA</u>	<u>Na</u>			

Inventor	Rob Dowling 7207	) , 103945-0032-301 Date: 3/24/20/6
Address	201 pypolowh 72 g	<u>Corine III X7 40167</u>
	Jan 21- Mayle	Deto: <u>3-24-/6</u>
Address .	Clarksville IV 47129	

Inventor Bob Kang	Date: 3/18/16
Address 10 Willian Tenance	
Andors MA 01810	
Witness Julius James	Date: 3/14/1/2
Address 101 East Books St. April	
305pg NA 02U8	

Inventor	Cairlyn Hastie Crutlyu Hastii	Date: 2016-05-10
	<b>∜</b>	
Address	47 Cook St	
v	Billerica, MA 01821	
Witness	Lancologgori Lanco	Date: <u>5-10-20</u> 16
Address	101 E Bracine 9. No.	
	Basis WE Dalls	

Inventor Thorsten Siess	Date: 3-9-2016
Address 40 Philones Excel GNUH	
Nunhaha Weg 3 52074	Pacher Ozeno
Witness Adda Ly	Date: <u> </u>
Address 1018 ast Brokling St. Ast	r.]
Booten MA OQUE	

Inventor <u>Bric Gratz Elec Stade</u>	Date:
Address 415 4404068 488227 61	#201
Witness / 1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1	Date: <u>6/4/4</u>
Accress <u>2007/2014/14/24/24/24/24/24/24/24/24/24/24/24/24/24</u>	80

Inventor Gerd Spanier		Date: <u>/6-03-</u> /
Address <u>    Citte</u>		
0-20	76 Radey	
Witness		Date:
Address		