

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5051781

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	JOHN MURPHY	07/11/2018
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:	15438917
CORRESPONDENCE DATA		
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<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>		
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ATTORNEY DOCKET NUMBER:	1846265-0017-156-US1	
NAME OF SUBMITTER:	GINNY BLUNDELL	
SIGNATURE:	/Ginny Blundell/	
DATE SIGNED:	07/16/2018	
Total Attachments: 2		
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1846265-0017-156-US1

1846265-0017-156-WO1

ASSIGNMENT

WHEREAS, I, JOHN MURPHY, have invented Introducer Sheath Having a Multi-Layer Hub 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 Patent Office;

[X] was filed on February 22, 2017 as Application No. 15/438,917 and as International Application No. PCT/US17/18791;

[] was patented under U.S. Patent No. [PATENT NO.] on [DATE].

WHEREAS, Abiomed, Inc. (hereinafter "Assignee"), a corporation having principal offices at 22 Cherry Hill Drive, Danvers, Massachusetts 01923, desires to acquire an interest in the Application in accordance with agreements duly entered into with me;

WHEREAS, the aforesaid inventor is obliged by terms of employment or other agreement to assign all right, title and interest in the Applications to the Assignee;

NOW, THEREFORE, in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I confirm that I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said Applications (and any inventions described therein) and such patents as may issue thereon, and any reissue, continuation, continuation-in-part, divisional and foreign counterparts thereof and including the right to claim priority under any applicable statute, treaty or convention based on said Applications or inventions thereof; said Applications and patents 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 patents may be granted as fully and entirely as the same would have been held by me had this assignment not been made; I 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 such Applications, all choses in action pertaining to the Applications or patents 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 patents. I hereby acknowledge that this assignment, being of my entire right, title and interest in and to said Applications, carries with it the right in Assignee to apply for and obtain from competent

authorities in all countries of the world any and all patents by attorneys and agents of Assignee's selection and the right to procure the grant of all such patents to Assignee for its own name as assignee of the entire right, title and interest therein;

AND, I hereby further agree for myself and my executors and administrators to execute upon request my other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid Applications and patents to said Assignee, its successors, assigns and legal representatives, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional, continuation or continuation-in-part applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said inventions or any applications or patent directed thereto may be involved;

AND, I do hereby authorize and request the Commissioner of Patents of the United States to issue such patents as shall be granted upon said Application or applications based thereon to said Assignee, its successors, assigns, and legal representatives.

Inventor: Signature: _____

Date: _____

Name: _____

JOHN MURPHY

ACKNOWLEDGEMENT OF ASSIGNEE:

I hereby acknowledge the foregoing executed Assignment on behalf of Abiomed Inc.

By: _____

Signature: _____

Date: _____

Name: _____

Title: _____

Shirley McEvoy
Shirley McEvoy
V.P. and General Counsel