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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTOPHER N. KORKUCH	03/24/2022
ROBERT FISHMAN	03/24/2022
MICHAEL FINNEGAN	03/24/2022
CHARLES DELORENZO	03/24/2022
ANDREW GENTILE	03/24/2022
ANNE GABRIELLE MCLOUGHLIN	04/06/2022
ROBERT SWIERCZEK	03/24/2022
MATTHEW D'AGOSTINO	03/24/2022
JONATHAN BARRY	03/24/2022

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:	18131608	

CORRESPONDENCE DATA

Fax Number:

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.

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ATTORNEY DOCKET NUMBER:	ABIO 3.0F-012 CON [1319]
NAME OF SUBMITTER:	AVA MARIE FELA
SIGNATURE:	/Ava Marie Fela/

PATENT REEL: 063246 FRAME: 0338

DATE SIGNED:	04/06/2023		
Total Attachments: 4			
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PATENT REEL: 063246 FRAME: 0339

ASSIGNMENT

WHEREAS, WE, Christopher N. Korkuch, Robert Fishman, Michael Finnegan, Charles DeLorenzo, Andrew Gentile. Anne Gabrielle McLoughlin, Robert Swierczek, Matthew D'Agostino, and Jonathan Barry have invented EXPANDABLE SHEATH WITH INTERLOCK DIALATOR described in the following applications for Letters Patents:

- [x] U.S. Provisional Patent Application No. 62/969.318 filed on February 3, 2020,
- [x] U.S. Patent Application No. 17/165,421 filed on February 2, 2021, and
- [x] PCT Application No. PCT/US2021/070113 filed on February 2, 2021

(hereinafter, collectively, the "Applications");

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 us;

WHEREAS Christopher N. Korkuch, Robert Fishman, Michael Finnegan, Charles DeLorenzo, Andrew Gentile, Anne Gabrielle McLoughlin, and Robert Swierczek have previously assigned all right, title, and interest in and to the invention described in U.S. Provisional Application No. 62/969,318 as evidenced by the prior Assignment signed by each of them between February 4, 2020 and February 10, 2020, which was recorded at the USPTO on February 18, 2020 at Reel/Frame 051848/0378;

WHEREAS, the aforesaid inventors are obliged by teams 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, 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 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 he 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 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 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. We hereby acknowledge that this assignment being of our 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 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, 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 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.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals on the dates subscribed below.

Inventor:	Signature:	Olivaria de la companya della compan	Date:	3/24/2022
	Name:	Christopher N. Korkuch		
Inventor:	Signature:	Robert Fishman	Date:	3/24/2022
Inventor:	Signature:	Michael Finnegan	Date:	3/24/2022
Inventor:	Signature:	Tharles Jefournit	Date:	<u> 222-03-24</u>

	Name:	Charles DeLorenzo	
Inventor:	Signature:	AUS-AD	Date: 2012-03-24
	Name:	Andrew Gentile	
Inventor:	Signature:	An Mil	Date: 2012-64-06
	Name:	Anne Gabrielle McLoughlin	
Inventor:	Signature:	- January	Date: 3.24.2022
	Name:	Robert Swierczek	
Inventor:	Signature:	Methew Difgotiu	Date: 3-24-2022
	Name:	Matthew D'Agostino	
Inventor:	Signature:	Jallan -	Date: 03-24-7022
	Name:	Jonathan Barry	

ACKNOWLEDGEMENT OF ASSIGNEE:

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

By: Signature:

Date: 3/30/2022

Name:

Name: NONNA AKOIYAN

Title: Chief of Coensel