506907928 10/06/2021 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT		
CONVEYING PARTY	' DATA			
		Name	Execution Date	
BOSTON MICROFLU	JIDICS, INC.		10/31/2020	
RECEIVING PARTY	DATA			
Name:	UNITED	UNITED THERAPEUTICS CORPORATION		
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City:	SILVER	SILVER SPRING		
State/Country:	MARYLA	MARYLAND		
Postal Code:	20910	20910		
PROPERTY NUMBE	RS Total: 1			
Property Type		Number		
Application Number	: 10	6398070		
CORRESPONDENCI	E DATA			
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Phone:	•	7816225930		
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Correspondent Nam	e: S	TANLEY F. CHALVIRE, ESQ.		
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ATTORNEY DOCKET NUMBER:		VIVO-005-101 - 3	VIVO-005-101 - 3	
NAME OF SUBMITTER:		STANLEY F. CHALVIRE, ESQ	STANLEY F. CHALVIRE, ESQ.	
SIGNATURE:		/Stanley F. Chalvire/	/Stanley F. Chalvire/	
DATE SIGNED:		10/06/2021	10/06/2021	
Total Attachments: 2				
source=Boston Microfl				
source=Boston Microfl	uidics to UTC	#page2.tit		

PATENT ASSIGNMENT

WHEREAS Boston Microfluidics Inc., a Delaware Corporation, (hereinafter referred to as "Assignor"), with offices at 6 Prichard Avenue, Somerville, MA 02144, desires to assign to United Therapeutics Corporation, a Delaware Corporation, with offices at 1040 Spring Street, Silver Spring, MD 20910 (hereinafter referred to as "Assignee"), Assignor's entire right, title and interest in and to the following patent applications and the invention(s) set forth therein (hereinafter referred to collectively as the "Patents"):

U.S. PATENT	FILING DATE	TITLE
APPLICATION NO. or		
INT'L. PATENT		
APPLICATION NO.		
16/398,070	4/29/2019	APPARATUS AND METHOD FOR
		CONTROLLING FLUID FLOW
PCT/US2019/029736	4/29/2019	APPARATUS AND METHOD FOR
		CONTROLLING FLUID FLOW

WHEREAS Assignee is desirous of acquiring the full right, title and interest in and to said Patents.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by Assignor, Assignor has sold, assigned, transferred and set over, and by these presents hereby sells, assigns, transfers and sets over to Assignee and its successors and assigns, its entire, right, title and interest in and throughout the United States (including its territories and dependencies) and all countries foreign thereto:

(a) in and to the Patents;

(b) in and to any and all United States and foreign patent applications corresponding and claiming priority to any of the Patents including, without limitation, any divisions, continuations, continuations-inpart, and continued prosecution applications and any other related United States and foreign patent applications thereof, along with all rights of priority created by said patent applications under the Paris Convention, and any other relevant international agreements;

(c) in and to all United States and foreign patents which may be granted on any and all of the applications included in (a) and/or (b) above, including, without limitation, extensions, reissues and reexamination certificates thereof; and

(d) in and to the rights to sue for and collect damages resulting from past, present and future infringement of all United States and foreign patents granted or to be granted for the above;

such right, title and interest to be held and enjoyed by Assignee and its successors and assigns, for the use and benefit of Assignee and its successors and assigns, to the full end of the term or terms for which the Patents may be granted as fully and entirely as would have been held and enjoyed by the Assignor had this assignment not been made.

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Upon request of Assignee, and without further remuneration, Assignor will execute any and all papers reasonably requested by Assignee for the filing and granting of patent applications and the perfecting of title thereto.

This assignment is being made under covenant, not only that full power to make the same is had by the Assignor, but also that such assigned rights are not encumbered by any grant, license, or other right theretofore given.

As a result of this Assignment, the Patents will be owned entirely and exclusively Assignee.

The Assignor hereby grants the firm of FOLEY & LARDNER LLP, the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of a Patent Office for recordation of this Assignment.

IN WITNESS WHEREOF, the parties hereto have caused this Assignment to be executed by their duly authorized representatives as of the last date written below.

BOSTON MICROFLUIDI	Brandon + Johnson		
Name:	Signature:	E023572015F5483	
Title:	Date:	10/31/2020	
WITNESSES:			
Name:	Signature:	Date:	
Name:	Signature:	Date:	
Received and Accepted By:			
UNITED THERAPEUTICS	CORPORATION		
Name:	Signature:		
Title:	Date:		
WITNESSES:			
Name:	Signature:	Date:	
Name:	Signature:	Date:	
	Page 2 of 2		

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RECORDED: 10/06/2021