505357292 03/05/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BART LIPKENS	07/31/2018
WALTER M. PRESZ JR.	08/02/2018
JASON DIONNE	02/20/2019
THOMAS J. KENNEDY III	02/01/2019

RECEIVING PARTY DATA

Name:	FLODESIGN SONICS, INC.
Street Address:	380 MAIN STREET
City:	WILBRAHAM
State/Country:	MASSACHUSETTS
Postal Code:	01095

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	9228183

CORRESPONDENCE DATA

Fax Number: (413)596-5355

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.

Phone: 413-596-5900 ip@fdsonics.com

Email: ip@fdsonics.com **Correspondent Name:** FLODESIGN SONICS, INC.

Address Line 1: 380 MAIN STREET

Address Line 4: WILBRAHAM, MASSACHUSETTS 01095

ATTORNEY DOCKET NUMBER:	FDS-003US03			
NAME OF SUBMITTER:	BRENDAN J. KENNEDY			
SIGNATURE:	/Brendan J. Kennedy/			
DATE SIGNED:	03/04/2019			

Total Attachments: 5

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PATENT REEL: 048499 FRAME: 0149

ASSIGNMENT

Docket Number: FDS-03US03

WHEREAS, each of the undersigned ("ASSIGNOR") has a postal address of Bart Lipkens, 380 Main Street, Wilbraham MA 01095 Jason Dionne, 380 Main Street, Wilbraham MA 01095 Walter M. Presz, Jr., 380 Main Street, Wilbraham MA 01095 Thomas J. Kennedy, III, 380 Main Street, Wilbraham MA 01095

and has developed certain invention(s) referred to as

Acoustophoretic Separation Technology Using Multi-Dimensional Standing Waves

as described in U.S. Patent Application Serial No. 14/557,040, Filed December 1, 2014, U.S. Patent No. 9,228,183, Issued January 5, 2016, Attorney Docket No. FDS- 03US03, and each ASSIGNOR covenants that they have the full right to convey the entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

WHEREAS, FLODESIGN SONICS, INC. ("ASSIGNEE"), a company having executive offices at 380 Main Street, Wilbraham, MA 01095, is desirous of acquiring the entire right, title and interest in and to said invention(s) and any and all patent applications and patents to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each ASSIGNOR does hereby sell, assign, transfer and set over unto said ASSIGNEE, its successors and assigns, the entire right, title and interest throughout the world in and to said inventions, in any form or embodiment thereof, and in and to the above-identified United States Patent Application therefor and any earlier filings or applications upon which said Application depends for priority, and in and to any application filed in the U.S. or any foreign country based thereon, including the right to file such applications and the right to claim priority under the provisions of any U.S. or international convention or treaty, also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention(s) and any divisional, continuation, continuation-in-part, or substitute applications which may be filed upon said invention(s) in the U.S. or any foreign country, such patents that issue on any of the foregoing applications and all reissue applications, applications for reexaminations and other applications for post grant review of any such patents, and such patents that may issue from any such post-issue applications; and each ASSIGNOR hereby authorizes and requests the issuing authority to issue any and all patents on said application(s) to said ASSIGNEE or its successors and assigns.

Each ASSIGNOR further agrees for themselves and their executors and administrators, without any further payment or compensation by said ASSIGNEE or its successors and assigns, to communicate to said ASSIGNEE, its representatives or agents or its successors and assigns, any facts relating to said invention(s) including evidence for legal proceedings whenever requested; testify in any proceeding in which said invention(s) or any application or patent directed thereto may be involved, and whenever requested, execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective, execute all applications for domestic and foreign patents including divisional, continuation, continuation-in-part, reissue, re-examination applications and other post grant review proceedings thereof, make all rightful

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oaths, and generally do everything possible to aid said ASSIGNEE, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for said inventions in this or any foreign country.

IN WITNESS WHEREOF, each ASSIGNOR hereunto sets their hand and affixes their seal.

Signed at the City of 101101311 (1914)	State of MA	on this Ray of _
Linkers		
Bart Lipkens	·········	
State of \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	4	
County of Hampdan))ss:	
On this day of	, 2018 before me personally came Bar regoing instrument and acknowledged exe	t Lipkens, to me known to be the cution of the same.
Jamy Storal		
Notary Public Seal		
ocai)		
	JENNIFER L. BOUCHER Notary Public COMMONWEALTH OF MASSACHUSETT My Commission Expires February 4, 2022	

Docket Number: FDS-03US03

Signed at the City of Wilbahcun	State of MA	on this 2 day of Program
Walter M. Presz, Jr.		
State of MA)	
County of Hampden)ss:)	
On this 2 day of 17000000 the individual described in and who executed the	, 2018 before me personally came vie foregoing instrument and acknowled	Walter M. Presz, Jr., to me known to be
Owk /		god o'doddidii o'i the sanne.
Notary Jublic		

JENNIFER L. BOUCHER

Notary Public

COMMONWEALTH OF MASSACHUSETTS

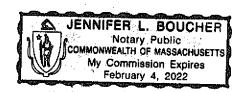
My Commission Expires

February 4, 2022

Seal

Docket Number: FDS-03US03

Signed at the City o		Lock	<u>(S</u>	State of	エ	44.1	_on this 20 day	of_
Jason Jason Jason Jason Dionne	Dioms	W						
State of CT County of Hours	ford))ss:					
On this Dday of	in and who executed	the foreg	_, 201 9 be	efore me pers	sonally came Ja	ason Dionne,	to me known	to be the
Notary Public			-				e sume.	
Seal Seal	V							



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Signed at the City of Wilbraham 2019.	State of MA	on this\ day of _
2017.		
Thomas J. Kennedy, III		
State of MA		
County of Hampden ())ss:		

On this \day of \(\frac{\frac{1}{2}\trace{1}\trace{1}

Notary Rublic

Seal

