PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4169160

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THOMAS J. KENNEDY III.	11/04/2016
BART LIPKENS	11/04/2016
LOUIS MASI	11/01/2016
STANLEY KOWALSKI	11/04/2016
CHRIS LEIDEL	11/04/2016

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
Application Number:	15245112

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	FLOS 200027US02
NAME OF SUBMITTER:	RICHARD M. KLEIN
SIGNATURE:	/Richard M. Klein/
DATE SIGNED:	12/05/2016
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Total Attachments: 6



ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned, Thomas J. Kennedy, III of Wilbraham, MA, Bart Lipkens of Hampden, MA, Louis Masi of Wilbrham, MA, Stanley Kowalski of Wilbraham, MA and Chris Leidel of Cambridge, MA

who has/have created a certain invention for which an application for United States Letters Patent has been

	executed concurrently herewith	
	executed on	
	filed as U.S. Serial No. 15/245,112 on August 23, 201	6
П	filed as International Application No. on	

and is entitled

ACOUSTIC BIOREACTOR PROCESSES

Do hereby sell, assign and transfer to **FloDesign Sonics, Inc.**, having a place of business at 380 Main Street, Wilbraham, MA 01095, (hereinafter Assignee) its successors, assigns, and legal representatives, the full and exclusive right, title, and interest in and to said invention and said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, reexaminations, extensions thereof, and all other forms of protection relating thereto which have been or shall be filled in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions agreements, acts, and treaties;

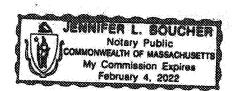
Agree that said Assignee may apply for and receive Letters Patent for said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reexaminations, reissues, and extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for

vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

Consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Assignee to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

IN TESTIMONY WHEREOF I/WE have hereunto set MY/OUR signature(s) on the date(s) indicated below.

Signed at the City of William State of MA
on this 4 day of Manbler , 20 to .
Thomas J. Kennedy III
State of Mp)ss: County of Hampolen
On this \(\text{UN day of } \) \(\text{We Now} \) \(\text{Low} \) \(\text{Def} \) before me personally came Thomas J. Kennedy, III, to me known to be the individual described in and who
executed the foregoing instrument, and acknowledged execution of the same.
January Hoston
Notary Public V
Seal \\



JENNIFER L. BOUCHER

Notary Public

COMMONWEALTH OF MASSACHUSETTS

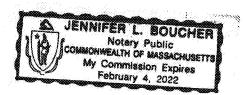
My Commission Expires

February 4, 2022

Signed at the City of Island Confidence	State of	M
on this <u>U</u> day of <u>November</u>	_, 201 <u>le_</u> .	**************************************
Bart Lipkens		
State of my		
County of Hayapaan)ss:		
On this 4h day of 100000000000000000000000000000000000	described i	before me personally n and who executed the
Jennife Kah		
Notary Public)		
Seal		

Signed at the City of on thisI ST day of	San Diego	State of <u>California</u>
on this _ [lovember	, 201 <u>_6</u> .
	and the same of th	
Louis Masi	No. of the Control of	
State of California))ss:	
County of San Dieg	o)	
On this 1^{S+} day of _ came Louis Masi, to me	November	, 201_6 before me personally described in and who executed the of the same.
Kathlee Grand Notary Public	ay G	KATHLEEN GRAY Commission # 2106913 Notary Public - California
Seal		San Diego County My Comm. Expires Apr 14, 2019

Signed at the City of white hour	and the second of the second	State of	ΛΛA
on this Lift day of Durnher		201 💆	
Stanley Kowalski	÷		
State of MA)		
County of Kunyden)ss:)		
On thisday of	to be the in	ndividual	before me personally described in and who
James De la			or the same.
Notary Public			
Soal			



Signed at the City of Willbraham	State of _A_A_
on this 11 day of <u>Nuvernher</u>	, 201
Chris-Leidel Chris-Leidel	
State of MA	
County of Hampdan)ss:	
On this 4th day of Naxonber came Chris Leidel, to me known to be the individual foregoing instrument, and acknowledged execution	, 201 before me personally al described in and who executed the of the same.
Genning Backs Notaly Public Dark	
Seal	A JENNIFER L. BOUCHEF
	COMMONWEALTH OF MASSACHUSE My Commission Expires February 4, 2022

RECORDED: 12/05/2016