

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4347037

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BART LIPKENS	06/11/2014
LOUIS MASI	06/11/2014
STANLEY KOWALSKI III	06/13/2014
WALT M. PRESZ JR.	06/13/2014
JASON DIONNE	06/11/2014
BRIAN DUTRA	06/24/2014
ARI MERCADO	06/25/2014
THOMAS J. KENNEDY III	06/11/2014
ART MARTIN	06/19/2014
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:	15475469
CORRESPONDENCE DATA	
Fax Number:	(216)363-9001
<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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Address Line 4:	CLEVELAND, OHIO 44115
ATTORNEY DOCKET NUMBER:	FLOS 200019US07
NAME OF SUBMITTER:	RICHARD M. KLEIN

PATENT

SIGNATURE:	/Richard M. Klein/
DATE SIGNED:	03/31/2017
Total Attachments: 7 source=Executed_Assignment#page1.tif source=Executed_Assignment#page2.tif source=Executed_Assignment#page3.tif source=Executed_Assignment#page4.tif source=Executed_Assignment#page5.tif source=Executed_Assignment#page6.tif source=Executed_Assignment#page7.tif	

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, the undersigned, **Bart Lipkens** of Hampden, MA; **Louis Masi** of Longmeadow, MA; **Stanley Kowalski** of Wilbraham, MA; **Walter M. Presz Jr.** of Wilbraham, MA; **Jason Dionne** of Simsbury, CT; **Brian Dutra** of Windsor Locks, CT; **Ari Mercado** of Agawam, MA; **Thomas J. Kennedy III** of Wilbraham, MA; and **Arthur Martin** of Sutton, MA ("Inventor(s)") who has/have created a certain invention for which a U.S. Patent Application has been

☐ executed concurrently herewith
☐ executed on
☒ filed February 7, 2014, and assigned Application Serial No. 14/175,766

and is entitled

ACOUSTIC STANDING WAVE UTILIZATION IN BIOREACTOR PROCESSES

hereby sell, assign and transfer to **FloDesign Sonics, Inc.**, ("Assignee"), a corporation of the State of Massachusetts, having a place of business at **380 Main Street, Wilbraham, MA 01095**, its successors, assigns, nominees or other legal representatives, the full, exclusive, entire worldwide rights, title and interest in, to, and under said invention as described and claimed in said application, including any provisional application(s) from which it claims priority, the same to be held and enjoyed by Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns, nominees, or other legal representatives, to the end of the term or terms for which said Letters Patent are or may be granted, reissued, or extended, as fully and entirely as the same would have been held and enjoyed by Inventor(s) if this assignment and sale had not been made; all of the entire rights, title and interest in and to said invention and said application, and all original and reissued patents granted for said invention, and all divisions, reissues, continuations-in-part, and continuations of said application, including the subject matter of any and all claims which may be obtained in every patent, and the right, where such right can be legally exercised, in Assignee's own name to apply for and obtain patents in countries foreign to the United States, including the full right to claim for any such application the benefits of the International Convention and the Patent Cooperation Treaty as fully and entirely as Inventor(s) could have done if the foreign application had been filed in the names of the Inventor(s), and the entire interest in any Letters Patent which may be granted on any such application in such foreign countries, and Inventor(s) authorize(s) and request(s) the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States whose duty is to issue patents on applications as aforesaid, to issue the said Letters Patent to Assignee, its successors, assigns, nominees, or other legal representatives, as Assignee and owner of the said entire rights, and Inventor(s) covenant(s) that Inventor(s) has/have the full right to convey the said entire interest herein assigned and that Inventor(s) has/have not executed and will not execute any agreement in conflict herewith, and Inventor(s) will communicate to Assignee, its successors, assigns, nominees, or other legal representatives all facts

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known to Inventor(s) respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, execute and deliver all divisional, continuing, and reissue applications, make all rightful oaths or declarations, and do all lawful acts requisite for the application for such divisional, continuing, or reissue applications, or the procuring thereof, and that if and when Assignee, its successors, assigns, nominees, or other legal representatives desire to file a disclaimer relating thereto, Inventor(s) will, upon request, sign and deliver all lawful papers requisite for the filing of such disclaimer; and

Inventor(s) further covenant(s) and agree(s) that Inventor(s) will, at any time upon request, do everything possible to aid Assignee, its successors, assigns, nominees, or other legal representatives, either in the name of Inventor(s) or Assignee, to apply for, obtain, and enforce proper patent protection for said invention in all countries, according to the International Convention and the Patent Cooperation Treaty, and all the laws and treaties in force, all without further consideration but at the expense of Assignee, its successors, assigns, nominees, or other legal representatives.

Signed at the City of HAMPDEN State of Massachusetts
on this 11 day of JUNE, 2014.

Bart Lipkens
Bart Lipkens

State of Massachusetts
County of Hampden

)
)ss:
)

On this 11th day of June, 2014 before me
personally came Bart Lipkens, to me known to be the individual described in and who
executed the foregoing instrument, and acknowledged execution of the same.

Kim Keene
Notary Public

Seal



KIM KEENE
Notary Public
Commonwealth of Massachusetts
My Commission Expires 11/14/2019

Signed at the City of Wilbraham State of MA
on this 11 day of June, 2014.

Louis C Masi
Louis Masi

State of Massachusetts)
County of Hampden)ss:
)

On this 11th day of June, 2014 before me
personally came Louis Masi, to me known to be the individual described in and who
executed the foregoing instrument, and acknowledged execution of the same.

Kim Keene
Notary Public

Seal



KIM KEENE
Notary Public
Commonwealth of Massachusetts
My Commission Expires 11/14/2019

Signed at the City of Wilbraham State of MA
on this 4 day of JUNE, 2014.

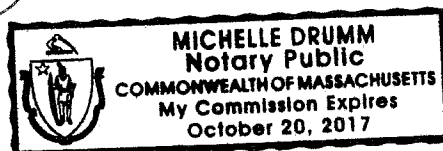
Stanley Kowalski III
Stanley Kowalski III

State of Massachusetts)
County of Hampden)ss:
)

On this 13th day of June, 2014 before me
personally came Stanley Kowalski, to me known to be the individual described in and
who executed the foregoing instrument, and acknowledged execution of the same.

Michelle Drumm
Notary Public

Seal



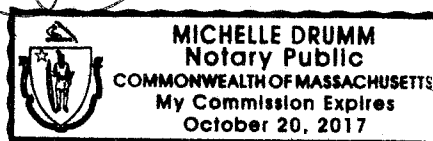
Signed at the City of Wilbraham State of Massachusetts
on this 13th day of June, 2014.

Walt M. Presz Jr.
Walt M. Presz Jr.

State of Massachusetts)
County of Hampden) ss:
)

On this 13th day of June, 2014 before me
personally came Walt M. Presz Jr., to me known to be the individual described in and
who executed the foregoing instrument, and acknowledged execution of the same.

Michelle Drumm
Notary Public



Signed at the City of WILBRAHAM State of MA
on this 11 day of June, 2014.

Jason P. Dionne
Jason Dionne

State of Massachusetts)
County of Hampden) ss:
)

On this 11th day of June, 2014 before me
personally came Jason Dionne, to me known to be the individual described in and who
executed the foregoing instrument, and acknowledged execution of the same.

Kim Keene
Notary Public

Seal




Signed at the City of WINDSOR State of CONNECTICUT
on this 24th day of JUNE, 2014.

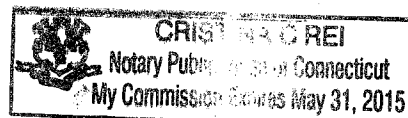

Brian Dutra

State of Connecticut)
County of Hartford) ss: Windsor

On this 24th day of JUNE, 2014 before me
personally came Brian Dutra, to me known to be the individual described in and who
executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

Seal



Signed at the City of Wilbraham State of Massachusetts
on this 25 day of June, 2014.


Ari Mercado

State of Massachusetts)
County of Hampden) ss:

On this 25 day of June, 2014 before me
personally came Ari Mercado, to me known to be the individual described in and who
executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

Seal



TRACY A. MANEUX
Notary Public
Commonwealth of Massachusetts
My Commission Expires July 11, 2014

Signed at the City of W. Braham State of MA
on this 11 day of June, 2014.

Thomas J. Kennedy III
Thomas J. Kennedy III

State of Massachusetts
County of Hampden

)
)ss:
)

On this 11th day of June, 2014 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.

Kim Keene
Notary Public

Seal



KIM KEENE
Notary Public
Commonwealth of Massachusetts
My Commission Expires 11/14/2019

Signed at the City of _____ State of _____
on this _____ day of _____, 2014.

Art Martin

State of _____

)
)ss:
)

County of _____

On this _____ day of _____, 2014 before me
personally came Art Martin, to me known to be the individual described in and who
executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

Seal

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Signed at the City of _____ State of _____
on this _____ day of _____, 2014.

Thomas J. Kennedy III

State of _____)
County of _____)ss:
_____)

On this _____ day of _____, 2014 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.

Notary Public

Seal

Signed at the City of WORCESTER State of MASSACHUSETTS
on this 19th day of JUNE, 2014.

Art Martin
Art Martin

State of Massachusetts)
County of Worcester)ss:
_____)

On this 19th day of June, 2014 before me
personally came Art Martin, to me known to be the individual described in and who
executed the foregoing instrument, and acknowledged execution of the same.

Penny M. Tiernan
Notary Public

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