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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
MICHAEL JARRET HOLYOAK	09/02/2016
GEORGE KENNETH KANNELL	09/02/2016
MARC JAY BEACKEN	09/12/2016
DAVID J. BISHOP	09/02/2016
JACKSON CHANG	09/01/2016
MATTHIAS IMBODEN	08/30/2016

RECEIVING PARTY DATA

Name:	LGS INNOVATIONS LLC
Street Address:	13665 DULLES TECHNOLOGY DRIVE
Internal Address:	SUITE 301
City:	HERNDON
State/Country:	VIRGINIA
Postal Code:	20171

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15274414

CORRESPONDENCE DATA

Fax Number:

(202)861-1783

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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Correspondent Name:	BAKER & HOSTETLER LLP
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ATTORNEY DOCKET NUMBER:	46850.24240
NAME OF SUBMITTER:	TAYAN B. PATEL
SIGNATURE:	/Tayan B. Patel/
DATE SIGNED:	09/27/2018

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PATENT REEL: 046987 FRAME: 0318

Fotal Attachments: 4	
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source=Executed Assignment 4816-4120-4571 v.1#page4.tif	

Docket No. 46850.24241 Customer No. 30734

PATENT

ASSIGNMENT

WHEREAS I.

Michael Jarret HOLYOAK 2 Hamilton Road, Apt. 2F, Morristown, NJ 07960

George Kenneth KANNELL 5 Woodbine Road, Florham Park, NJ 07932

Marc Jay BEACKEN 11 Crest Drive, Randolph, NJ 07869

David J. BISHOP 82 Ivy Street, Apt. #4, Brookline, MA 02446

Jackson CHANG 9 Central Avenue, #1, Newton, MA 02460

Matthias IMBODEN

Rue du Temple 6, 2072 St. Blasie NE, Switzerland

Rue de la Maigroge 19, M.I.

respectively, ("Assignor"), have made a certain new and useful invention as set forth in an application for United States Letters Patent entitled <u>A WIDELY TUNABLE CAVITY</u> <u>FILTER USING LOW VOLTAGE, LARGE OUT-OF-PLANE ACTUATION MEMS</u>, executed by me on the date of execution of this document, as shown below, for which an application for United States Letters Patent was filed on <u>November 12, 2015</u>, and is identified by U.S. Patent Application No. <u>62/254,387</u>;

AND WHEREAS, LGS Innovations LLC, a Colorado corporation, having an address of 13665 Dulles Technology Drive, Suite 301, Herndon, VA 20171 ("Assignee"), is desirous of acquiring the entire right, title and interest in and to said invention, and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, Assignor with proper right and ability does hereby sell, assign, transfer and set over unto Assignee, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention, including the right to claim priority under 35 U.S.C. §119 and the right to sue for past infringement, as set forth in the above-mentioned application, including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATION, Assignor hereby agrees with the said Assignee that Assignor will not execute any writing or do any act whatsoever conflicting with these presents, and that Assignor will, at any time upon request, without further or additional consideration but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of Assignor and Assignee;

The undersigned hereby grant(s) the firm of BAKER & HOSTETLER LLP the power to insert on this Assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

AND Assignor requests the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Assignee, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

9/2/16	ma the
Date	Michael Jarret HOLYOAK
9/2/16	Louge Kamell
Date	George Kanneth RANNELL
9/12/16	AS
Date / /	Mark Jay BEACKEN
Date	David J. BISHOP
Date	Jackson CHANG
Date	Matthias IMBODEN

PATENT REEL: 046987 FRAME: 0321 Docket No. 46850.24241 Customer No. 30734

PATENT

ASSIGNMENT

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Matthias IMBODEN Rue du Temple 6, 2072 St. Blasie NE, Switzerland

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NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, Assignor with proper right and ability does hereby sell, assign, transfer and set over unto Assignee, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention, including the right to claim priority under 35 U.S.C. §119 and the right to sue for past infringement, as set forth in the above-mentioned application, including any continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATION, Assignor hereby agrees with the said Assignee that Assignor will not execute any writing or do any act whatsoever conflicting with these presents, and that Assignor will, at any time upon request, without further or additional

> PATENT REEL: 046987 FRAME: 0322

consideration but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of Assignor and Assignee;

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Date

Michael Jarret HOLYOAK

Date

George Kenneth KANNELL

Date

Date

09/21/2016

Date

08/30/2016 Date

Marc Jay BEACKEN

on IANG

Matthias IMBODEN