506328085 10/29/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6374835

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOSEPH G. BUTERA III	06/15/2020
MARK J. HARPSTER	06/04/2020
RYAN J. COPT	06/03/2020
LITANG GU	07/05/2020

RECEIVING PARTY DATA

Name:	BONGIOVI ACOUSTICS LLC
Street Address:	649 SW WHITMORE DRIVE
City:	PORT ST. LUCIE
State/Country:	FLORIDA
Postal Code:	34984

PROPERTY NUMBERS Total: 4

Property Type	Number
Application Number:	16530736
PCT Number:	US1944950
Application Number:	62713798
Application Number:	62721914

CORRESPONDENCE DATA

Fax Number:

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: 3058588000

Email:patents@malloylaw.comCorrespondent Name:MALLOY & MALLOY, P.L.Address Line 1:2800 S.W. 3RD AVENUEAddress Line 4:MIAMI, FLORIDA 33129

ATTORNEY DOCKET NUMBER:	6294.1914.18
NAME OF SUBMITTER:	PETER A. MATOS
SIGNATURE:	/Peter A. Matos/
DATE SIGNED:	10/29/2020

PATENT REEL: 054209 FRAME: 0991

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Total Attachments: 4

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(1) Insert Name(s) of Inventor(s)	(1)	Joseph G. Butera III; Mark J. Harpster; Ryan J. Copt; and Litang Gu In consideration of the sum of one dollar (\$1.00), and other good and
		valuable consideration paid to each of the undersigned, each of the
		undersigned assigns, transfers and sets over unto
(2) Insert Name(s) of Assignee	(2)	Bongiovi Acoustics LLC
(3) Insert Address of Assignee	(3)	649 SW Whitmore Drive
		Port St. Lucie, Florida 34984
		(hereinafter designated as the Assignee), its successors and
		assigns, the entire right, title and interest for the United States, its
		territories, dependencies and possessions, in and to the invention
		known as
(4) Insert <u>Identification</u> of Invention,	(4)	SYSTEM, METHOD, AND APPARATUS FOR GENERATING AND DIGITALLY PROCESSING A HEAD RELATED AUDIO
		TRANSFER FUNCTION; and SPATIAL AUDIO PANNING AND CALIBRATION SYSTEM
		for which the undersigned has (have) executed an application for patent in the United states of America having Serial No.:
(5) Insert Serial No. of Application(s)	(5)	1: U.S. Patent App. No. <u>16/530,736</u> , filed August 2, 2019; 2: PCT App. No. <u>PCT/US19/44950</u> , filed August 2, 2019; 3: Provisional App. No. <u>62/721,914</u> , filed August 23, 2018; & 4: Provisional App. No. <u>62/713,798</u> filed August 2, 2018
		and assigns, transfers and sets over to Assignee the entire right,
		title and interest in and to said application for patent in the United States of America and worldwide rights and any patents, original, reissue, continuation-in-part, divisional, substitute or extension,
		which may issue therefrom, including the right to sue for all past and future damages related thereto.

- 1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
- 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, divisional or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward which such interference.
- 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
- 5) The undersigned hereby authorize(s) and request(s) the Commission of Patents to issue any and all Letters Patent of the United States resulting from said application or any divisional or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and the he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersioned hereby grant(s) Jennie S. Mallov, Reg. No. 37.670; Peter A. Matos, Reg. No. 37.884; Robert Michael Downey, Reg. No.

* ** ''	rther identification which may be necessary or desirable in order to comply with t n of this document.
IN WITNESS WHEREOF, executed by the undersign	ned on the date(s) opposite the andersigned name(s).
and the same and the	Name of Inventor
*	Joseph G. Butera III
	United States Consul/ Inot, then the execution by the inventor(s) should be
witnessed by at wast two witnesses who sign here:	and the state of t
WITNESS)	WITNESS () () () ()
~ 0	By: Kolonia Colonia
Profit Naryle: 1504 (1.157) 42	Print Name: Deborah A Jones

M%_Pre-2019\1-PAT\PAT 2018\APPS\1914-18 Bongiovi\Corr-CL\2020-04-20Assignment

(1) Insert Name(s) of Inventor(s)	(1)	Joseph G. Butera III; Mark J. Harpster; Ryan J. Copt; and Litang Gu
		In consideration of the sum of one dollar (\$1.00), and other good and
		valuable consideration paid to each of the undersigned, each of the
		undersigned assigns, transfers and sets over unto
(2) Insert Name(s) of Assignee	(2)	Bongiovi Acoustics LLC
(3) Insert Address of Assignee	(3)	649 SW Whitmore Drive
		Port St. Lucie, Florida 34984
		(hereinafter designated as the Assignee), its successors and
		assigns, the entire right, title and interest for the United States, its
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(4) Insert Identification of Invention,	(4)	SYSTEM, METHOD, AND APPARATUS FOR GENERATING
· · · · · · · · · · · · · · · · · · ·	` '	AND DIGITALLY PROCESSING A HEAD RELATED AUDIO
		TRANSFER FUNCTION; and SPATIAL AUDIO PANNING AND
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		for which the undersigned has (have) executed an application for
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(5) Insert Serial No. of Application(s)	(5)	1: U.S. Patent App. No. <u>16/530,736</u> , filed August 2, 2019; 2: PCT App.
C. J. Socionados C. F. C. J.	· /	No. PCT/US19/44950, filed August 2, 2019; 3: Provisional App. No.
		62/721,914, filed August 23, 2018; & 4: Provisional App. No. 62/713,798,
		filed August 2, 2018
		and assigns, transfers and sets over to Assignee the entire right,
		title and interest in and to said application for patent in the United
		States of America and worldwide rights and any patents, original,
		reissue, continuation-in-part, divisional, substitute or extension,
		which may issue therefrom, including the right to sue for all past
		and future damages related thereto.
		and talue camages telated diciely.

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The undersigned hereby grant(s) Jennie S. Malloy, Reg. No. 37,670; Peter A. Matos, Reg. No. 37,884; Robert Michael Downey, Reg. No. 33,684; the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 06/04/2620	Name of Inventor Www	Jan	(SEAL)
	Mark J. Ha	rpster	

This assignment should preferably be signed before a United States Consul. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:

By: Walwak Gones
Print Name: Debovak A. Jones

By: /hopot/ Sunma == Print Name: Robert J. Summen

(1)	Joseph G. Butera III; Mark J. Harpster; Ryan J. Copt; and Litang Gu
	In consideration of the sum of one dollar (\$1.00), and other good and
	valuable consideration paid to each of the undersigned, each of the
	undersigned assigns, transfers and sets over unto
	Bongiovi Acoustics LLC
(3)	649 SW Whitmore Drive
	Port St. Lucie, Florida 34984
	(hereinafter designated as the Assignee), its successors and
	assigns, the entire right, title and interest for the United States, its
	territories, dependencies and possessions, in and to the invention
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(4)	SYSTEM, METHOD, AND APPARATUS FOR GENERATING
	AND DIGITALLY PROCESSING A HEAD RELATED AUDIO
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	for which the undersigned has (have) executed an application for
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(5)	1: U.S. Patent App. No. 16/530,736, filed August 2, 2019; 2: PCT App.
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	which may issue therefrom, including the right to sue for all past
	and future damages related thereto.
	वाच १५६६६ प्रवाशिष्ट्र १८१८६६ साटाटार.

- 1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
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IN WITNESS WH	EREOF, executed by the undersigned	on the date(s) o	pposite the undersigne	g name(s).	
Date	/3/2020 Na	me of Inventor	Mus G	2.4	(SEAL)
			Ryain J. Capp		

This assignment should preferably be signed before a United States Consul. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:

WITNESS

By: Deborah A Dones

Print Name: Deborah A Dones

(1) Insert <u>Name(s)</u> of Inventor(s)	(1)	In consideration of the sum of one dollar (\$1.00), and other good and valuable consideration of the sum of one dollar (\$1.00), and other good and valuable consideration paid to each of the undersigned, each of the undersigned assigns, transfers and acts over unto
(2) Insert Name(s) of Assignee (3) Insert Address of Assignee	(2) (7)	Beautert Acoustics LLC 649 SW Whitmore Drive Port St. Lucie. Florida 14984 (hereinafter designated as the Assignee), its successors and assigns, the entire right, title and interest for the United States, its territories, dependencies and possessions, in and to the invention
(4) Insert <u>Identification</u> of Invention,	(4)	known as SYSTEM, METHOD, AND APPARATUS FOR GENERATING AND DIGITALLY PROCESSING A HEAD RELATED AUDIO TRANSFER FUNCTION; and SPATIAL AUDIO PANNING AND CALIBRATION SYSTEM for which the undersigned has (have) executed an application for patent in the United states of America baving Serial No.:
(5) Insert <u>Secial No.</u> of Application(s)	(5)	1: U.S. Patent App. No. 14/518.736, filed August 2, 2019; 2: PCT App. No. PCT/US19/44/558, filed August 2, 2019; 3: Provisional App. No. 62/71.914, filed August 23, 2018; & 4: Provisional App. No. 62/71.278 filed August 2, 2018 and assigns, transfers and sets over to Assignee the entire right, title and interest in and to said application for patent in the United States of America and worldwide rights and any patents, original, reissue, continuation-in-part, divisional, substitute or extension, which may issue therefrom, including the right to sue for all past and future damages related thereto.

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Date 2020 July 5th Name of Inventor Library GR (SEAL)
on to an immune about a makembly be signed before a I below Contac Contail. If not then the expectation by the inventor(s) though be

This assignment should preferably be signed before a United States Consul. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:

WITNESS

By: Name: Deborah A Jones Print Name: 166ect S. Sungers

PATENT

REEL: 054209 FRAME: 0996

RECORDED: 10/29/2020