508195820 10/26/2023 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT8243007

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYAN	ICE:	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ	·		
		Name		Execution Date
LOUIS D. FIELDER				02/17/2015
ZHIWEI SHUANG				03/12/2015
GRANT A. DAVIDSON				02/24/2015
XIGUANG ZHENG				02/25/2015
MARK S. VINTON				02/24/2015
RECEIVING PARTY DA	ТА			
Name:		LABORATORIES LICENSING COI	RPO	RATION
Street Address:	1275 M	IARKET STREET		
City:	SAN FI	RANCISCO		
State/Country:	CALIFO	ORNIA		
Postal Code:	94103			
PROPERTY NUMBERS	Total: 1			
Property Type		Number		
Application Number:		18309145		
	·			
CORRESPONDENCE D				
Fax Number:		(415)645-4000		
		o the e-mail address first; if that is d; if that is unsuccessful, it will be		
Phone:		4155580200		
Email:		Ruchira.Mitra@dolby.com		
Correspondent Name:		RUCHIRA MITRA		
Address Line 1:		DOLBY LABORATORIES, INC.		
Address Line 2:		1275 MARKET STREET		
Address Line 4:		SAN FRANCISCO, CALIFORNIA 94	4103	
ATTORNEY DOCKET NU	JMBER:	D14148US06		
NAME OF SUBMITTER:		RUCHIRA MITRA		
SIGNATURE:		/Ruchira Mitra/		
DATE SIGNED:		10/26/2023		
Total Attachments: 10				

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COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention

<u>Reverberation Generation for Headphone Virtualization</u>

As the below named inventor, I hereby declare that:

This declaration is directed to:

The attached application, or

Chinese Patent Application Number 201510077020.3 filed on February 12,2015 and United States Patent Application number: 62/117,206 filed on February 17, 2015.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than (5) years, or both.

WHEREAS, DOLBY LABORATORIES LICENSING CORPORATION, a New York corporation, having a place of business at 100 Potrero Avenue, San Francisco, California, 94103, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said application and the invention to which said application is directed, in and to any and all improvements relating to said invention, and in and to all patents thereon, when granted in the United States and all foreign countries;

NOW, THEREFORE, in consideration of good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR:

1. ASSIGNOR hereby grants, sells, assigns, transfers and conveys unto ASSIGNEE, or to the extent ASSIGNOR has already done so, ASSIGNOR hereby confirms the grant, sale, assignment, transfer and conveyance unto ASSIGNEE of the entire right, title and interest:

(a) in and to said application, invention, and improvements thereto, and each and every additional application filed anywhere in the world, whether or not the country, jurisdiction, or authority of filing is a member of the International Union for the Protection of Industrial Property (The Paris Convention), which additional application is a division of, substitution of, continuation of, continuationin-part of, or is a counterpart of, or is in any way based on, claims priority from, or relates to, said application, invention or improvements thereto;

(b) all priority rights associated with the filing of each and every such application, for each country of The Paris Convention, for the Patent Cooperation Treaty, for the European Patent Convention, for all other treaties of like purposes, and for Taiwan; and

(c) in and to each and every patent on said invention or improvements thereto that may be granted by any country, jurisdiction or authority, including each and every patent that may be granted on any of the applications referred to in sub-section (a), and in and to each and every reissue, reexamination certificate, or extension of each and every such patent.

2. ASSIGNOR hereby warrants, covenants and represents that he/she has not heretofore granted to anyone other than ASSIGNEE any license, right or privilege in respect to the said applications, patents, or said invention, nor in any other way encumbered the same, and that he/she has, or in the case of a previous assignment to ASSIGNEE, ASSIGNOR had the full right to convey, free of all licenses and encumbrances, the entire right, title and interest hereby assigned.

4. The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, his/her heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, I have executed this instrument.

LEGAL NAME OF INVENTOR

Inventor: Louis D. Fielder	Date:	7 Feb 2015
Signature: Louis D	Julder	
	Notarial Acknowledgement	A notary public or other officer completing this certificate verifies only the identity of the individual who signed the
STATE of CALIFORNIA	X	document to which this certificate is attached, and not the
COUNTY OF San Francis	CO $\sum_{i=1}^{i}$	truthfulness, accuracy, or validity of that document.
On <u>Feb 17</u> , 2015, be personally <u>appeared Louis D. Fielder</u> , who whose name is subscribed to the within ins authorized capacity, and that by his/her sig the person acted, executed the instrument.	o proved to me on the basis of sa trument and acknowledged to m	atisfactory evidence to be the person ne that he/she executed the same in his/her
l certify under PENALTY OF PERJURY u true and correct.	under the laws of the State of Ca	lifornia that the foregoing paragraph is

WITNESS my hand and official seal,

CAMI BRUNJES	Can	
COMML # 2058819 SANDARY PUBLIC-CALIFORNIA	Signature of Notary Public	
SAN FRANCISCO COUNTY My Comm. Exp. March 13, 2018	My Commission Expires: MAYZA T3, 2016	<u>}</u>
Seal		

Docket: D14148CN01-USP1

COMBINED DECLARATION (37 CFR	R 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37	7 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of	Reverberation Generation for Headphone Virtualizati	
Invention	ACTERDITATION OFFICIATION OF THEAUPHONE VICTUALIZATI	<u>030</u>

As the below named inventor, I hereby declare that:

This declaration is directed to:

] The attached application, or

Chinese Patent Application Number 201510077020.3 filed on February 12, 2015 and United States patent application number: 62/117,206 filed on February 17, 2015.

The above-identified application was made or authorized to be made by me.

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NOW, THEREFORE, in consideration of good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR:

1. ASSIGNOR hereby grants, sells, assigns, transfers and conveys unto ASSIGNEE, or to the extent ASSIGNOR has already done so, ASSIGNOR hereby confirms the grant, sale, assignment, transfer and conveyance unto ASSIGNEE of the entire right, title and interest:

(a) in and to said application, invention, and improvements thereto, and each and every additional application filed anywhere in the world, whether or not the country, jurisdiction, or authority of filing is a member of the International Union for the Protection of Industrial Property (The Paris Convention), which additional application is a division of, substitution of, continuation of, continuationin-part of, or is a counterpart of, or is in any way based on, claims priority from, or relates to, said application, invention or improvements thereto;

(b) all priority rights associated with the filing of each and every such application, for each country of The Paris Convention, for the Patent Cooperation Treaty, for the European Patent Convention, for all other treaties of like purposes, and for Taiwan; and

(c) in and to each and every patent on said invention or improvements thereto that may be granted by any country, jurisdiction or authority, including each and every patent that may be granted on any of the applications referred to in sub-section (a), and in and to each and every reissue, reexamination certificate, or extension of each and every such patent.

2. ASSIGNOR hereby warrants, covenants and represents that he/she has not heretofore granted to anyone other than ASSIGNEE any license, right or privilege in respect to the said applications, patents, or said invention, nor in any other way encumbered the same, and that he/she has, or in the case of a previous assignment to ASSIGNEE, ASSIGNOR had the full right to convey, free of all licenses and encumbrances, the entire right, title and interest hereby assigned.

4. The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, his/her heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, I have executed this instrument. LEGAL NAME OF INVENTOR Inventor: Zhiwei Shuang Date: Signature: In the presence of: In the presence of:

Print Witness's Name

Print Witness's Address

Signature of Witness

Signature of Witness

Chen

Print Witness's Name

Print Witness's Address

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

 Title of Invention
 Reverberation Generation for Headphone Virtualization

As the below named inventor, I hereby declare that:

This declaration is directed to:

The attached application, or

Chinese Patent Application Number 201510077020.3 filed on February 12,2015 and United States Patent Application number: 62/117,206 filed on February 17, 2015.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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NOW, THEREFORE, in consideration of good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR:

 ASSIGNOR hereby grants, sells, assigns, transfers and conveys unto ASSIGNEE, or to the extent ASSIGNOR has already done so, ASSIGNOR hereby confirms the grant, sale, assignment, transfer and conveyance unto ASSIGNEE of the entire right, title and interest;

(a) in and to said application, invention, and improvements thereto, and each and every additional application filed anywhere in the world, whether or not the country, jurisdiction, or authority of filing is a member of the International Union for the Protection of Industrial Property (The Paris Convention), which additional application is a division of, substitution of, continuation of, continuationin-part of, or is a counterpart of, or is in any way based on, claims priority from, or relates to, said application, invention or improvements thereto;

(b) all priority rights associated with the filing of each and every such application, for each country of The Paris Convention, for the Patent Cooperation Treaty, for the European Patent Convention, for all other treaties of like purposes, and for Thiwan; and

(c) in and to each and every patent on said invention or improvements thereto that may be granted by any country, jurisdiction or authority, including each and every patent that may be granted on any of the applications referred to in sub-section (a), and in and to each and every reissue, reexamination certificate, or extension of each and every such patent.

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Docket: D14148CN01-USP1

PATENT REEL: 065358 FRAME: 0145

4. The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, his/her heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, I have executed this instrument.

LEGAL NAME OF INVENTOR

Inventor:	Grant A. Davidson
	KINT -L
Signature	2 MM H VAMAS

Notarial Acknowledgement

\$ \$\$;

Date: 2/24/15

STATE of CALIFORNIA

COUNTY OF Los Bungalos

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

On $\underbrace{[c_1]_{i_1}, c_2}_{i_2}$ Before me, $\underbrace{[c_2]_{i_2}, c_2}_{i_2}$ $\underbrace{[c_2]_{i_2}, c_2}_{i_2}$, Notary Public, personally appeared $\underbrace{Grant A. Davidson}_{i_2}$ who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/lkr authorized capacity, and that by his/ker signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

ACTON .	OCTAVIO GALLARDO
JACIAN.	Commission # 2065085
36.4.3000	Rotary Public - California
A SALE	Los Angejes County
	Wy Comm. Expided 1964 17, 2018

Docket: D14148CN01-USP1

	Signature o	f Notary F	'ublic	•••••••••
My Commission Expires:	mand	127	2.0	<u>ġ</u>

PATENT REEL: 065358 FRAME: 0146

COMBINED DECLARATION (37 C	FR 1.63) F	OR UTILITY	OR DESIGN	APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.	76) AND ASSI	GNMENT FO	R SINGLE ASSIGNEE

Inte of Reverberation Generation for Headphone Virtualization

As the below named inventor, I hereby declare that:

This declaration is directed to:

Title of

The attached application, or

Chinese Patent Application Number 201510077424.3 filed on February 12, 2015 and United States patent application number: 62/117.206 filed on February 17, 2015.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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Date

IN TESTIMONY WHEREOF, I have executed this instrument.

LEGAL NAME OF INVENTOR

Inventor: Xiguang Zheng

Signature:

In the presence of:

(1)

Signature of Witness

Print Witness's Name

Print Witness's Address

In the presence of:

Signature of Witness

Chen Zhano

Print Witness's Name

Print Witness's Address

Docket: D14148CN01-USP1

PATENT REEL: 065358 FRAME: 0148

(2)

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention

Reverberation Generation for Headphone Virtualization

As the below named inventor, I hereby declare that:

This declaration is directed to:

The attached application, or

Chinese Patent Application Number 201510077020.3 filed on February 12,2015 and United States Patent Application number: 62/117,206 filed on February 17, 2015.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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(b) all priority rights associated with the filing of each and every such application, for each country of The Paris Convention, for the Patent Cooperation Treaty, for the European Patent Convention, for all other treaties of like purposes, and for Taiwan; and

(c) in and to each and every patent on said invention or improvements thereto that may be granted by any country, jurisdiction or authority, including each and every patent that may be granted on any of the applications referred to in sub-section (a), and in and to each and every reissue, reexamination certificate, or extension of each and every such patent.

2. ASSIGNOR hereby warrants, covenants and represents that he/she has not hereto fore granted to anyone other than ASSIGNEE any license, right or privilege in respect to the said applications, patents, or said invention, nor in any other way encumbered the same, and that he/she has, or in the case of a previous assignment to ASSIGNEE, ASSIGNOR had the full right to convey, free of all licenses and encumbrances, the entire right, title and interest hereby assigned.

4. The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, his/her heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, I have executed this instrument.

LEGAL NAME OF INVENTOR

Inventor:	<u>Mark S. Vinton</u>		Date:	February	2 4 M	2.015
Signature:	<u> 44.15</u>	<u>I a</u>				

Notarial Acknowledgement

) ss:

STATE of CALIFORNIA

)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

COUNTY OF San Francisco

On <u>Feb</u>. 24, 2015, before me, <u>Cami Bruies</u>, Notary Public, personally appeared <u>Mark S. Vinton</u>, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

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ASSESS .	CAMI BRUNJES	1
Z Kan ANA	COMM. # 2058819	G
313 3231	NOTARY PUBLIC · CALIFORNIA	SN3
1 Savel	SAN FRANCISCO COUNTY	B
- Class	My Comm. Exp. March 13, 2018	1
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	X	S	
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My Commission Expires: March 13 2018

Docket: D14148CN01-USP1

PATENT REEL: 065358 FRAME: 0150

RECORDED: 10/26/2023