503845426 05/26/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3892074

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
ZHIWEI SHUANG	06/13/2014	
DAVID S. MCGRATH	05/20/2014	
MICHAEL WILLIAM MASON	05/20/2014	

RECEIVING PARTY DATA

Name:	DOLBY LABORATORIES LICENSING CORPORATION	
Street Address: 1275 MARKET STREET		
City: SAN FRANCISCO		
State/Country:	CALIFORNIA	
Postal Code:	94103-1410	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15039695	

CORRESPONDENCE DATA

Fax Number: (415)645-4000

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.

(415)645-5773 Phone: Email: patents@dolby.com **BIANCA MIYAKAWA Correspondent Name:** Address Line 1: 1275 MARKET STREET

Address Line 4: SAN FRANCISCO, CALIFORNIA 94103-1410

ATTORNEY DOCKET NUMBER:	D13078US01
NAME OF SUBMITTER:	BIANCA MIYAKAWA
SIGNATURE:	/Bianca Miyakawa/
DATE SIGNED:	05/26/2016

Total Attachments: 6

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PATENT REEL: 038732 FRAME: 0133 503845426

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PATENT REEL: 038732 FRAME: 0134

	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	Audio Signal Processing		
As the below	named inventor, I hereby declare that:		
This declarat	tion is directed to:		
☐ The	attached application, or		
	nese Patent application number <u>201410185954.4</u> filed on <u>April 28, 2014</u> and United States dication number: <u>61/993,970</u> filed on <u>May 15, 2014</u> .		
The above-ide	entified 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.		
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 prisonment of not more than (5) years, or both.		
corporation, hereinafter resaid applicate improvement States and all NOV ASSIGNOR ASSIGNOR I. A extent ASSIG and conveya additional application, each country Convention, be granted by on any of the reexamination.	REAS, DOLBY LABORATORIES LICENSING CORPORATION, a New York having a place of business at 100 Potrero Avenue, San Francisco, California, 94103, eferred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to ion and the invention to which said application is directed, in and to any and all ts relating to said invention, and in and to all patents thereon, when granted in the United I foreign countries; W. THEREFORE, in consideration of good and valuable consideration received by from ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged by: SSIGNOR hereby grants, sells, assigns, transfers and conveys unto ASSIGNEE, or to the GNOR has already done so, ASSIGNOR hereby confirms the grant, sale, assignment, transfer nee unto ASSIGNEE of the entire right, title and interest: (a) in and to said application, invention, and improvements thereto, and each and every epication filed anywhere in the world, whether or not the country, jurisdiction, or authority of ember of the International Union for the Protection of Industrial Property (The Paris, which additional application is a division of, substitution of, continuation of, continuationies a counterpart of, or is in any way based on, claims priority from, or relates to, said invention or improvements thereto; (b) all priority rights associated with the filling of each and every such application, for of The Paris Convention, for the Patent Cooperation Treaty, for the European Patent 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 yearly country, jurisdiction or authority, including each and every patent that may be granted applications referred to in sub-section (a), and in and to each and every reissue, and certificate, or extension of each and every such patent. ASSIGNOR hereby warrants, covenants and represents that he/she has not heretofore granted ther than ASSIGNEE, any license, right or privilege in respect to the		

3. ASSIGNOR covenants and agrees that at the request and expense of ASSIGNEE he/she will promptly execute all papers deemed necessary or desirable by ASSIGNEE to perfect ownership of said invention, applications, and patents to ASSIGNEE, and execute all oaths, declarations and other papers deemed necessary or desirable by ASSIGNEE for prosecuting said applications and patents, for use in interference proceedings involving said invention, applications and patents, for use in opposition proceedings involving said invention, applications and patents, for refiling said applications, for filing of divisional, substitution, continuation or continuation-in-part applications deemed necessary or desirable by ASSIGNEE, for reissuance or reexamination of said patents, or for the filing in foreign countries of applications for patents counterpart to or in any way based on or relates to said application or to an application which is a division of, substitution of, continuation of, continuation-in-part of, said application or which application claims priority from or relates to said invention or improvements thereto. ASSIGNOR further covenants and agrees that at the expense and request of ASSIGNEE, he/she will promptly assist ASSIGNEE in interference, opposition and reexamination proceedings involving said invention, applications and patents, and in litigation involving said invention, applications and patents, and will assist in the ascertainment of facts and the production of evidence relating to said invention, applications and patents. 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

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LEGAL NAME OF INVENTOR	. 4 . 3
Inventor: Zhiwel Shuang	Date: 2014 6.15
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WFC, Beijing, China WFC, Beijing, CHINA
Print Witness's Address

Print Witness's Address

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	ED DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN ICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE
Title of Invention	Audio Signal Processing
As the belo	w named inventor, I hereby declare that
This declara	tion is directed to:
☐ Th	e attached application, or
	inese Patent application number 201410185954.4 filed on April 28, 2014 and United States plication number: 61/993,976 filed on May 15, 2014
The above-id	entified 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.
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 prisonment of not more than (5) years, or both,
hereinafter r said applicat improvement States and al NOV ASSIGNOR ASSIGNOR	
extent ASSIc and conveya additional ap filing is a me	assignOR hereby grants, sells, assigns, transfers and conveys unto ASSIGNEE, or to the GNOR has already done so, ASSIGNOR hereby confirms the grant, sale, assignment, transfer nee unto ASSIGNEE of the entire right, title and interest: (a) in and to said application, invention, and improvements thereto, and each and every eplication filed anywhere in the world, whether or not the country, jurisdiction, or authority of the international Union for the Protection of Industrial Property (The Paris
in-part of, or	which additional application is a division of, substitution of, continuation of, continuation is a counterpart of, or is in any way based on, claims priority from, or relates to, said invention or improvements thereto;
	(b) all priority rights associated with the filing of each and every such application, for of The Paris Convention, for the Patent Cooperation Treaty, for the European Patent for all other treaties of like purposes, and for Taiwan; and
on any of the	(c) in and to each and every patent on said invention or improvements thereto that may any country, jurisdiction or authority, including each and every patent that may be granted applications referred to in sub-section (a), and in and to each and every reissue, in certificate, or extension of each and every such patent.
to anyone otl or said inven previous assi	SSIGNOR hereby warrants, covenants and represents that he/she has not heretofore granted her than ASSIGNEE any license, right or privilege in respect to the said applications, patents, tion, nor in any other way encumbered the same, and that he/she has, or in the case of a gnment to ASSIGNEE, ASSIGNOR had the full right to convey, free of all licenses and is, the entire right, title and interest hereby assigned.

- ASSIGNOR covenants and agrees that at the request and expense of ASSIGNEE he/she will promptly execute all papers deemed necessary or desirable by ASSIGNEE to perfect ownership of said invention, applications, and patents to ASSIGNEE, and execute all oaths, declarations and other papers deemed necessary or desirable by ASSIGNEE for prosecuting said applications and patents, for use in interference proceedings involving said invention, applications and patents, for use in opposition proceedings involving said invention, applications and patents, for refiling said applications, for filing of divisional, substitution, continuation or continuation-in-part applications deemed necessary or desirable by ASSIGNEE, for reissuance or reexamination of said patents, or for the filing in foreign countries of applications for patents counterpart to or in any way based on or relates to said application or to an application which is a division of, substitution of, continuation of, continuation-in-part of, said application or which application claims priority from or relates to said invention or improvements thereto ASSIGNOR further covenants and agrees that at the expense and request of ASSIGNEE, he/she will promptly assist ASSIGNEE in interference, opposition and reexamination proceedings involving said invention, applications and patents, and in litigation involving said invention, applications and patents, and will assist in the ascertainment of facts and the production of evidence relating to said invention, applications and patents.
- 4. The terms, covenants and provisions of this ASSIGNMENT shall image 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 N	NAME OF INVENTOR				
Inventor;	David S. McGrath	Date:	204	May	2014
Signature:		Δz			

In the presence of:

Signature of Witness

MICHAGE SHITHERS

Print Witness's Name

73. 7**586**7

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Signature of Witness

In the presence of:

Print Witness's Name

KARBLA NEW AUSTRALIA

Print Witness's Address

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 Audio Signal Processing Invention As the below named inventor, I hereby declare that: This declaration is directed to: The attached application, or Chinese Patent application number 201410185954.4 filed on April 28, 2014 and United States application number: 61/993,970 filed on May 15, 2014. 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.

- 3. ASSIGNOR covenants and agrees that at the request and expense of ASSIGNEE he/she will promptly execute all papers deemed necessary or desirable by ASSIGNEE to perfect ownership of said invention, applications, and patents to ASSIGNEE, and execute all oaths, declarations and other papers deemed necessary or desirable by ASSIGNEE for prosecuting said applications and patents, for use in interference proceedings involving said invention, applications and patents, for use in opposition proceedings involving said invention, applications and patents, for refiling said applications, for filing of divisional, substitution, continuation or continuation-in-part applications deemed necessary or desirable by ASSIGNEE, for reissuance or reexamination of said patents, or for the filing in foreign countries of applications for patents counterpart to or in any way based on or relates to said application or to an application which is a division of, substitution of, continuation of, continuation-in-part of, said application or which application claims priority from or relates to said invention or improvements thereto. ASSIGNOR further covenants and agrees that at the expense and request of ASSIGNEE, he/she will promptly assist ASSIGNEE in interference, opposition and reexamination proceedings involving said invention, applications and patents, and in litigation involving said invention, applications and patents, and will assist in the ascertainment of facts and the production of evidence relating to said invention, applications and patents.
- 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: Michael William Mason

In the presence of:

In the presence of:

Signature of Witness

Signature of Witness

MARK DE BURGH

Print Witness's Name

Print Witness's Name

8 Debovah Cl, Mourt Colah 807/8 Glew St, Milsons Pt NSW 2061 Print Witness's Address NSW 2079 Print Witness's Address

Docket: D13078CN02-USP2

RECORDED: 05/26/2016