## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5008187

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
DIRK JEROEN BREEBAART	10/30/2013
LIE LU	10/23/2013
NICOLAS R. TSINGOS	12/02/2013
ANTONIO MATEOS SOLE	10/23/2013

### **RECEIVING PARTY DATA**

Name:	DOLBY LABORATORIES LICENSING CORPORATION
Street Address:	1275 MARKET STREET
City:	SAN FRANCISCO
State/Country:	CALIFORNIA
Postal Code:	94103-1410
Name:	DOLBY INTERNATIONAL AB
Street Address:	Apollo Building, 3E
Internal Address:	Herikerbergweg 1-35
City:	Amsterdam Zuidoost
State/Country:	NETHERLANDS
Postal Code:	1101 CN

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16009164

### 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.

Phone: 4156455773

patents@dolby.com Email: Correspondent Name: **BIANCA MIYAKAWA** Address Line 1: 1275 MARKET STREET

Address Line 4: SAN FRANCISCO, CALIFORNIA 94103-1410

ATTORNEY DOCKET NUMBER: D13039US04

> **PATENT** REEL: 046095 FRAME: 0543

504961440

NAME OF SUBMITTER:	BIANCA MIYAKAWA
SIGNATURE:	/Bianca Miyakawa/
DATE SIGNED:	06/14/2018
Total Attachments: 8	Dec Acomt Cianad inventore thas set tif

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PATENT REEL: 046095 FRAME: 0544

COMBIN APPI	ED DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN LICATION DATA SHEET (37 CFR 1.76) AND ASSIGMENT FOR SINGLE ASSIGNEE
Title of Invention	Processing Spatially Diffuse or Large Audio Objects
As the below	v named inventor, I hereby declare that:
This declara	tion is directed to:
☐ The	e attached application, or
	tent Application Number: P201331193 filed on July 31, 2013 United States application 61/885,805 filed on October 2, 2013.
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

WHEREAS, DOLBY LABORATORIES LICENSING CORPORATION, a New York corporation, having a place of business at 100 Potrero Avenue, San Francisco, California, and DOLBY INTERNATIONAL AB, a Swedish corporation, having a place of business at Apollo Building, 3E, Herikerbergweg 1-35, 1101 CN Amsterdam Zuidoost, Netherlands, hereinafter referred to as ASSIGNEES, 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-in-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.

LEGAL NAME OF INVENTOR

Inventor: Dirk Jeroen Breeba	art	Breebs	Jeroen	Dirk	Inventor:
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Date: 30-10-2013

Signature:

In the presence of:

In the presence of:

Signature of Witness

Signature of Witness

MICHAEL JOHN SMITHERS

RICHARD JAMES CARTURIGHT

Print Witness's Name

Print Witness's Name

KAREUL, NOW, NOTRALIA

KILLARA, NSW, AUSTRALIA

Print Witness's Address

Print Witness's Address

# COMBINED DECLARATION COOFF LGS FOR LITHITY OR DESIGN APPLICATION USING AN

	LICATION DATA SHEET (37 CFR 1.76) AND ASSIGMENT FOR SINGLE ASSIGNEE
Title of Invention	Processing Spatially Diffuse or Large Audio Objects
As the belov	v named inventor, I hereby declare that:
This declara	tion is directed to:
☐ Th	e attached application, or
	tent Application Number: P201331193 filed on July 31, 2013 United States application 61/885,805 filed on October 2, 2013.
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.
I hereby ackr	lowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001

WHEREAS, DOLBY LABORATORIES LICENSING CORPORATION, a New York corporation, having a place of business at 100 Potrero Avenue, San Francisco, California, and DOLBY INTERNATIONAL AB, a Swedish corporation, having a place of business at Apollo Building, 3E, Herikerbergweg 1-35, 1101 CN Amsterdam Zuidoost, Netherlands, hereinafter referred to as ASSIGNEES, 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;

by fine or imprisonment of not more than (5) years, or both.

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) sin 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, gesomination certificate, or extension of each and every such patent.
- ANSIGNOR hereby muchants governments and represents that he/she has not heretofore granted to anyone other than ASSIGNEE any Jicense, right or privilege in respect to the said applications, patents, or said invention, now in said, nature was being inflered 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.

Docket: D13039ES01-USP1

**PATENT REEL: 046095 FRAME: 0547** 

- 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.

LEGAL NAME OF INVENTOR	
Inventor: Lie Lu	Date: 0c4 23, 2013
Signature:	

In the presence of:
Signature of Witness (2)
Lun Wang
Print Witness's Name (9, West Bwildray, No.1, Fall 3nd Ring) Middle Road, Beijing 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 ASSIGMENT FOR SINGLE ASSIGNEE Title of Invention Processing Spatially Diffuse or Large Audio Objects As the below named inventor, I hereby declare that: This declaration is directed to: The attached application, or Patent Application Number: P201331193 filed on July 31, 2013 United States application number: 61/885,805 filed on October 2, 2013. 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.

WHEREAS, DOLBY LABORATORIES LICENSING CORPORATION, a New York corporation, having a place of business at 100 Potrero Avenue, San Francisco, California, and DOLBY INTERNATIONAL AB, a Swedish corporation, having a place of business at Apollo Building, 3E, Herikerbergweg 1-35, 1101 CN Amsterdam Zuidoost, Netherlands, hereinafter referred to as ASSIGNEES, 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:

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.

- 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 five of all hierarch and encumbrances, 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.
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LEGAL NAME OF INVENTOR

Inventor:	Nicolas R. Tsingos	Date:	12/1/2013
200			* *

### Notarial Acknowledgement

STATE of CALIFORNI	Á	3
COUNTY OF SAL	) Francisco	) ss: -)

On DEZEMBER 2, 2013, before me, KALED J. WILLESS, Notary Public, personally appeared Nicolas R. Tsingos, 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.

KALEO J. WILLEGS
Gommission # 1905090
Notary Public - California
San Francisco Gounty
My Comm. Sapjres Sep 23, 2014

Signature of Notary Public

My Commission Expires: SEPTEMBER 23, 2014

	LICATION DATA SHEET (37 CFR 1.76) AND ASSIGMENT FOR SINGLE ASSIGNEE		
Title of Invention	Processing Spatially Diffuse or Large Audio Objects		
As the belov	v named inventor, I hereby declare that:		
This declarate	tion is directed to:		
☐ The	e attached application, or		
	ent Application Number: P201331193 filed on July 31, 2013 United States application 61/885,805 filed on October 2, 2013.		
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.			

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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 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.

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LEGAL NAME OF INVENTOR				
Inventor:	Antonio Mateos Sole	Date:	6CT-23-2013	
Signature:		<u> </u>		

In the presence of:	In the presence of
G-l- Cy- (1)	// (2)
Signature of Witness	Signature of Witness
GIOCIO CENCARLE	ACESSANDRO SINISCALCIU
Print Witness's Name	Print Witness's Name
Usicia ioi BARCELONA (ES)	fluseth MONTCADA 5 (-)
Print Witness's Address	Print Witness's Address

Docket: **D13039ES01-USP1** 

**RECORDED: 06/14/2018**