PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4033330

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NING XU	10/02/2014
KIMBALL DARR THURSTON III	10/27/2014
SCOTT DALY	10/01/2014
JAMES E. CRENSHAW	10/27/2014
ALFRED SHE	11/13/2014

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:	15119117

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

Address Line 4: SAN FRANCISCO, CALIFORNIA 94103-1410

ATTORNEY DOCKET NUMBER:	D14006US01
NAME OF SUBMITTER:	BIANCA MIYAKAWA
SIGNATURE:	/Bianca Miyakawa/
DATE SIGNED:	08/31/2016

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

APPL	ICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE
Title of Invention	Systems and Methods to Control Judder Visibility
As the belov	v named inventor, I hereby declare that:
This declara	tion is directed to:
Th	e attached application, or
⊠ Un	ited States application or PCT international application number: 62/055,555
file	i on September 25, 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.

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.

Docket: D14006USP2

- 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: Ning Xu

Date: 10/2/20/4

Signature: /

Notarial Acknowledgement

STATE of CALIFORNIA)			
COUNTY OF LOS AWEEL	₹5) ^{si}	\$20		
on October 2th, 2014	, before me,	ABLO W	ENA	, Notary Public,
personally appeared Ning Xu, who pr	oved to me on the	basis of satisfactor	y evidence to be the	e person whose name
is subscribed to the within instrument				
capacity, and that by his/her signature acted, executed the instrument.	on the instrument	the person, or the	енику прои венан с	n waten the person

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.

[Seal]

PABLO MENA
NOTARY PUBLIC - CALIFORNIA
COMMISSION # 2017741
LOS ANGELES COUNTY
My Comm. Exp. April 5, 2017

Signature of Notary Public

My Commission Expires: APAIL 912 20

Docket: D14006USP2

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 Systems and Methods to Control Judder Visibility Invention As the below named inventor, I hereby declare that: This declaration is directed to: The attached application, or United States application or PCT international application number: 62/055,555 filed on September 25, 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:

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 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.

Docket: D14006USP2

- 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.
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LEGAL NAME OF INVENTOR

Docket: D14006USP2

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inventor:	Kimball Darr Thurston III	Date:	to Garage	&/C 7	S 1 5 S	
	AMERICAN STREET A REAGAN VY VERY SEAR	3.27 74 74 75 1				

Signature:

Notarial Acknowledgement

STATE of CALIFORNIA)		
COUNTY OF LASCULES) ss:)		
On 10127 2014 personally appeared Kimball Darr Thu	, before me, Ault Sul		, Notary Public,
person whose name is subscribed to the			
his/hier authorized capacity, and that by be which the person acted, executed the ins	his/her signature on the instru		
I certify under PENALTY OF PERJURY true and correct.	Y under the laws of the State of	of California that the foregoin	ng paragraph is
WITNESS my hand and official seal.	ii		
	N. T.		
		Signature of Notary Publi	ie
[Seal]	My Commission Expires	:3 \$\\]	
[Oval]	ANDRE SMADJA Commission # 19430		

Notary Public - California

Los Angeles County My Comm. Expires Jul 3, 2015

PATENT

REEL: 039606 FRAME: 0452

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

APPL	ICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE
Title of Invention	Systems and Methods to Control Judder Visibility
As the belov	v named inventor, I hereby declare that:
This declara	tion is directed to:
Th	e attached application, or
⊠ Un	ited States application or PCT international application number: 62/055,555
file	i on September 25, 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.

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.

Docket: D14006USP2

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- ASSIGNOR, his/her heirs, legal representatives and assigns.

LEGAL NA	ME OF INVENTOR		
Inventor: S	<u>šcott Daly</u>	Date: 10/1/2015	
Signature:			
£			

Notarial Acknowledgement

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n was to be and) ss:		
COUNTY OF CONNIET)		
			Same and Same and	
on October 1st	, before me,	NI WIT	+UQ2XXVM I	, Notary Public
personally appeared Scott Daly, w	ho proved to me o	m the basis c	of satisfactory eviden	ce to be the person whose
name is subscribed to the within it				
authorized capacity, and that by hi				
the person acted, executed the inst		*****	And the state of t	
me person acrea, executed me mor	i ament.			
			Salana San	* .

paragraph is true and correct.

WITNESS my hand and official seal.

STATE OF MACHINATURA

Notary Public State of Washington NICOLE ENGSTROM My Appointment Expires Sep 18, 2017 Seal

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My Commission Expires: 1971-19, 2017

Docket: D14006USP2

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 Systems and Methods to Control Judder Visibility Invention As the below named inventor, I hereby declare that: This declaration is directed to: The attached application, or United States application or PCT international application number: 62/055.555 filed on September 25, 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

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Docket: D14006USP2

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LEGAL NAME OF INVENTOR

Inventor:	James E. Crenshaw	Date:	27 Oa 2014
	Larry Larry		

Signature:

Docket: D14006USP2

Notarial Acknowledgement

STATE of CALIFORNIA)	
COUNTY OF ISLANDERS) 55:	
whose name is subscribed to the within	, before me, which will be a six of satisfactors who proved to me on the basis of satisfactors instrument and acknowledged to me that he/s signature on the instrument the person, or the cont.	be executed the same in his/heer
•	RY under the laws of the State of California tha	at the foregoing paragraph is
WITNESS my hand and official seal,		
	Signature of	f Notary Public
	My Commission Expires:	Zoj5
[Seal]	6 6 1	.*S.+

ANDRE SMADJA Commission # 1943091

Notary Public - California Los Angeles County

norm Expures Jul 3 20

PATENT

REEL: 039606 FRAME: 0456

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

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Docket: D14006USP2

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LEGAL NAME OF INVENTOR

Inventor: Affred She

Date: 1//12/2014

Signature:

In the presence of:

Signature of Witness

Print Witness's Name

In the presence of:

Signature of Witness

Grand R Gover

Print Witness's Name

Print Witness's Address

Print Witness's Address

Docker: D14006USP2

RECORDED: 08/31/2016

PATENT REEL: 039606 FRAME: 0458

RIA PATGA DR