506134877 07/01/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6181604

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CLAUS BAUER	08/21/2014
LIE LU	08/05/2014
MINGQING HU	08/22/2014
JUN WANG	08/08/2014
POPPY CRUM	09/24/2014
RHONDA WILSON	09/03/2014
REGUNATHAN RADHAKRISHNAN	02/12/2015

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:	16455178

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)558-0200
Email: patents@dolby.com

Correspondent Name: DOLBY LABORATORIES, INC.

Address Line 1: 1275 MARKET STREET

Address Line 4: SAN FRANCISCO, CALIFORNIA 94103-1410

ATTORNEY DOCKET NUMBER:	D13137US02
NAME OF SUBMITTER:	BIANCA MIYAKAWA
SIGNATURE:	/Bianca Miyakaw/
DATE SIGNED:	07/01/2020

PATENT REEL: 053101 FRAME: 0847

506134877

Total Attachments: 14 source=D13137USP1-Dec-Asgnmt-SIGNED#page1.tif source=D13137USP1-Dec-Asgnmt-SIGNED#page2.tif source=D13137USP1-Dec-Asgnmt-SIGNED#page3.tif source=D13137USP1-Dec-Asgnmt-SIGNED#page4.tif source=D13137USP1-Dec-Asgnmt-SIGNED#page5.tif source=D13137USP1-Dec-Asgnmt-SIGNED#page6.tif source=D13137USP1-Dec-Asgnmt-SIGNED#page7.tif source=D13137USP1-Dec-Asgnmt-SIGNED#page8.tif source=D13137USP1-Dec-Asgnmt-SIGNED#page9.tif source=D13137USP1-Dec-Asgnmt-SIGNED#page10.tif source=D13137USP1-Dec-Asgnmt-SIGNED#page11.tif source=D13137USP1-Dec-Asgnmt-SIGNED#page12.tif source=D13137USP1-Dec-Asgnmt-SIGNED#page13.tif source=D13137USP1-Dec-Asgnmt-SIGNED#page13.tif source=D13137USP1-Dec-Asgnmt-SIGNED#page14.tif

PATENT REEL: 053101 FRAME: 0848

COMBINE	D DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	CATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE
Title of Invention	Perception Based Multimedia Processing
As the below	named inventor, I hereby declare that:
This declaration	on is directed to:
☐ The	attached application, or
	nese patent application number: 201410320668.4 filed June 30, 2014 on and United States nt application number: 62/030,940 filed on July 30, 2014.
The above-iden	ntified 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 acknow by fine or impri	wledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 isonment of not more than (5) years, or both.
hereinafter ref said application improvements States and all NOW ASSIGNOR f ASSIGNOR: 1. AS extent ASSIG and conveyand additional app filing is a men Convention), in-part of, or i	saving a place of business at 100 Potrero Avenue, San Francisco, California, 94103, ferred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to on and the invention to which said application is directed, in and to any and all selecting to said invention, and in and to all patents thereon, when granted in the United foreign countries; 7, 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 NOR has already done so, ASSIGNOR hereby confirms the grant, sale, assignment, transfer ce unto ASSIGNEE of the entire right, title and interest: (a) in and to said application, invention, and improvements thereto, and each and every olication filed anywhere in the world, whether or not the country, jurisdiction, or authority of inber of the International Union for the Protection of Industrial Property (The Paris which additional application is a division of, substitution of, continuation of, continuationis a counterpart of, or is in any way based on, claims priority from, or relates to, said evention 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 of 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, a 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.

Date: 11/10 14

Dern MPC

IN TESTIMONY WHEREOF, I have executed this instrument.

LEGAL NAME OF INVENTOR

Inventor: Claus Bauer

Signature:

in the presence of:	In the presence of:	
Mingos Hc (1)	Les lears a	
Signature of Witness	Signature of Witness	
Kernous Hu	Shen Huang	
Print Witness's Name	Print Witness's Name	
Masgay	Hay The	
Print Witness's Address	Print Witness's Address	

Docket: D13137USP1#

Deroin WEC

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 Perception Based Multimedia Processing As the below named inventor, I hereby declare that: This declaration is directed to: The attached application, or Chinese patent application number: 201410320668.4 filed June 30, 2014 on and United States patent application number: 62/030,940 filed on July 30, 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

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:

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-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.

Date: Huy5, 2014

IN TESTIMONY WHEREOF, I have executed this instrument.

LEGAL NAME OF INVENTOR

Inventor: Lie Lu

Signature: Signature:	
In the presence of:	In the presence of:
Liamu Chen o	Peter Wang (2)
Signature of Witness	Signature of Witness
Lianwa CHEN	Peter WANG
Print Witness's Name	Print Witness's Name
WFC 19, Beijing China.	WFC, Beijing, china
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 Perception Based Multimedia Processing Invention As the below named inventor, I hereby declare that: This declaration is directed to: The attached application, or Chinese patent application number: 201410329668.4 filed June 30, 2014 on and United States patent application number; 62/030,940 filed on July 30, 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

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.

2. ASSIGNOR hereby warrants, covenants and represents that he/she has not heretofore granted

be granted by any country, jurisdiction or authority, including each and every patent that may be granted

each country of The Paris Convention, for the Patent Cooperation Treaty, for the European Patent

on any of the applications referred to in sub-section (a), and in and to each and every reissue.

(b) all priority rights associated with the filing of each and every such application, for

(c) in and to each and every patent on said invention or improvements thereto that may

Convention, for all other treaties of like purposes, and for Taiwan; and

reexamination certificate, or extension of each and every such patent.

application, invention or improvements thereto;

- 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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IN TESTIMONT WHEREOF, Thave execused an	s nisti taiban.
LEGAL NAME OF INVENTOR	V 8
Inventor: Mingging Hu	Date: 2014/08/22

n the presence of:	in the presence of:
Sher Huang (1)	Kai Li a
Signature of Witness	Signature of Witness
Anlly -	Kar Zz
Print Witness's Name	Print Witness's Name
SHEN HUANG	Kai Li
Print Witness's Address	Print Witness's Address
WFC. Beijing. P. R. China	WFC, Beijing, P.R.CA

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 Perception Based Multimedia Processing As the below named inventor, I hereby declare that: This declaration is directed to: The attached application, or Chinese patent application number: 201410320668.4 filed June 30, 2014 on and United States patent application number: 62/030,940 filed on July 30, 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.

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

LEGAL NAME OF IN	IVENTOR		
Inventor: Jun Wang		Date:	
Signature:	Ann W	any	
	V		

In the presence of: In the presence of: Signature of Witness Signature of Witness Print Witness's Name Print Witness's Name

Print Witness's Address Print Witness's Address

	ED DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN LICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE
Title of Invention	Perception Based Multimedia 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: 201410320668.4 filed June 30, 2014 on and United States tent application number: 62/030,940 filed on July 30, 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.
corporation, hereinafter r said applicat improvement States and al NOT ASSIGNOR ASSIGNOR I. A extent ASSIGNOR and conveya additional ap filing is a me Convention) in-part of, or	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 nce 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 ember of the International Union for the Protection of Industrial Property (The Paris, 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 reexaminatio 2. A to anyone oth or said inven previous assi	(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, n certificate, or extension of each and every such patent. 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 grament to ASSIGNEE, ASSIGNOR had the full right to convey, free of all licenses and s, the entire right, title and interest hereby assigned.

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LEGAL NAME OF INVENTOR

Inventor: Poppy Crum

Date: Sept. 24, 2014

Signature:

Notarial Acknowledgement

STATE of CALIFORNIA)
COUNTY OF	San	Francisco) ss)

On Sept 24, 2014, before me, Cami Brunges Notary Public, personally appeared Poppy Crum, 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.

CAMI BRUNJES
COMM. 8 2058819
NOTARY PUBLIC - CALIFORNIA
SAN FRANCISCO COUNTY
My Comm. Exp. March 13, 2018
Scall

Signature of Notary Public

My Commission Expires: MANU 13, 2018

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 Perception Based Multimedia Processing As the below named inventor, I hereby declare that: This declaration is directed to: The attached application, or Chinese patent application number: 201410320668.4 filed June 30, 2014 on and United States patent application number: 62/030,940 filed on July 30, 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:

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- (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:	Rhonda Wilson	Date:	09	103	/2014
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Signature: Rhanda J. Wilson

Notarial Acknowledgement

STATE of CALIFORNIA)	
COUNTY OF SAN FANCISCO) ss:)	
On Sept. 2, 2014, before me, personally appeared Rhonda Wilson, who proved to name is subscribed to the within instrument and acknowledge and that by his/her signature on	nowledged to me that he/she executed the same	e in his/her
the person acted, executed the instrument.	e.	
Legify under PENALTY OF PERHIRV under the 1	aws of the State of California that the foregoing	no naraoranh is

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]

Signature of Notary Public

My Commission Expires: March 13, 2018

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 Perception Based Multimedia Processing

As the below named inventor, I hereby declare that:

This declaration is directed to:

	The	attached	application,	or
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Chinese patent application number: <u>201410320668</u> filed <u>June 30, 2014</u> on and United States patent application number: 62/030,940 filed on July 30, 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 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: Regunathan Radhakrishnan Date: 2/12/2015

Signature: ///

In the presence of:

In the presence of:

Signature of Witness

Signature of Witness

Print Witness's Name

Print Witness's Name

ELEANOR DOBSON

<u>3973 Jellevan Avr. Eurovall Holls (A</u> 94062 <u>3495 Deer Greek Road</u> PA

Print Witness's Address

Print Witness's Address

Docket: D13137USP1#

PATENT REEL: 053101 FRAME: 0862

RECORDED: 07/01/2020