501998854 07/23/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Gregory J Ward	10/28/2011
Wenhui Jia	11/07/2011
Ajit Ninan	11/02/2011
Arkady Ten	11/02/2011
Gaven Wang	11/02/2011

RECEIVING PARTY DATA

Name:	DOLBY LABORATORIES LICENSING CORPORATION
Street Address:	100 Potrero Avenue
City:	San Francisco
State/Country:	CALIFORNIA
Postal Code:	94103-4813

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13553440

CORRESPONDENCE DATA

Fax Number: 4156454000 Phone: (415) 645-5356 Email: Edith.Deng@dolby.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: **Edith Deng**

Address Line 1: 475 Brannan Street, Suite 300

Address Line 4: San Francisco, CALIFORNIA 94107-5420

NAME OF SUBMITTER: Edith Deng	
Luiting of Sobility Lett.	

REEL: 028617 FRAME: 0057

PATENT

Total Attachments: 13

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WHEREAS, <u>Gregory John Ward</u>, a resident of <u>Berkeley, California, USA</u>, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.<u>61/552,868</u>, filed <u>October 28, 2011</u>, entitled <u>Encoding</u>, <u>Decoding</u>, <u>And Representing High Dynamic Range Images</u>.

WHEREAS, DOLBY LABORATORIES LICENSING CORPORATION, a New York corporation, having a place of business at 100 Potrero Avenue, San Francisco, California, 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, 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

Docket: **D10109USP2**

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 heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, I have executed this instrument.

Dated:	Oct. 28, 2011	12)~
		GREGORY JOHN WARD
		Notarial Acknowledgement

STATE of CALIFORNIA)
) ss
COUNTY OF ALAMERIA)

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]

DAVID LEE
COMM. # 1934142

NOTARY PUBLIC - CALIFORNIA RAMEDA COUNTY
My Comm. Exp. May 23, 2015

Notary Public

My Commission Expires: 85/23/2015

Docket: <u>D10109USP2</u> PATEN

WHEREAS, Wenhui Jia, a resident of <u>Dublin, California, USA</u>, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.<u>61/552,868</u>, filed <u>October 28, 2011</u>, entitled <u>Encoding</u>, <u>Decoding</u>, <u>And Representing High Dynamic Range Images</u>.

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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 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

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TALL ADDRESS A AND THE STATE OF THE STATE OF

IN TESTIMONY WHEREOF,	I have executed this instrument.
Dated:	ENHUI JIA
Notarial	Acknowledgement
STATE OF CALIFORNIA COUNTY OF Hounds))
name is subscribed to the within instrument and	Notary Public, personally basis of satisfactory evidence to be the person whose acknowledged to me that he executed the same in his in the instrument the person executed the instrument.
I certify under PENALTY OF PERJURY under paragraph is true and correct.	the laws of the State of California that the foregoing
WITNESS my hand and official seal MARK S. KIM COMM. #1865080 NOTARY PUBLIC - CALIFORNIA E ALAMEDA COUNTY My Condit. Expires Outpher 14, 2013	Malan Ruhlin
[Seal]	Notary Public My Commission Expires: 10-14-2013

WHEREAS, <u>Ajit Ninan</u>, a resident of <u>San Jose</u>, <u>California</u>, <u>USA</u>, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No. <u>61/552,868</u>, filed October 28, 2011, entitled <u>Encoding</u>, <u>Decoding</u>, <u>And Representing High Dynamic Range Images</u>.

WHEREAS, DOLBY LABORATORIES LICENSING CORPORATION, a New York corporation, having a place of business at 100 Potrero Avenue, San Francisco, California, 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:

- 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, 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.
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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 heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, I have executed this instrument,

Dated:	11/2 ;	2011	1	//am	4	4	
	J.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	AHT	NIN	à N	

Notarial Acknowledgement

STATE of CALIFORNIA	as.)
1	A STATE OF THE STA) ss
COUNTY OF SAVIT	a laca)

On Z Deven Der , 2011, before me Suci Dang Eak, Notary Public, personally appeared Ait Ninan, 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 executed the same in his authorized capacity, and that by his signature on the instrument the person 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

SUKI BANASZAK
COMM. # 1913715
MOTANY PUBLIC: CALFORNIA
SANTA CLARA COUNTY
My Comm. aspiros Sept. 18, 2012

[Seal]

Notary Public

My Commission Expires:

ACKNOWLEDGMENT

State of California County of <u>Santa Clara</u>)	
On Z November 2011 before me, Sak	: Baaszak Notary fablic
personally appeared ASI+ Nivi	91)
who proved to me on the basis of satisfactory evidence subscribed to the within instrument and acknowledged his/her/their authorized capacity(ies), and that by his/t person(s), or the entity upon behalf of which the person	I to me that he/she/they executed the same in er/their signature(s) on the instrument the
I certify under PENALTY OF PERJURY under the law paragraph is true and correct.	s of the State of California that the foregoing
WITNESS my hand and official seal.	SUKI BANASZAK COMM. # 1813715 HOTARY PUBLIC - CALFORNIAS SANTA CLARA COUNTY
Signature 2 1/2 (S	ieal) My Comm. expires Sept. 18, 2012

WHEREAS, Arkady Ten, a resident of Sunnyvale, California, USA, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No. 61/552,868, filed October 28, 2011, entitled Encoding, Decoding, And Representing High Dynamic Range Images.

WHEREAS, DOLBY LABORATORIES LICENSING CORPORATION, a New York corporation, having a place of business at 100 Potrero Avenue, San Francisco, California, 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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 - (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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Docket: D10109USP2

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IN TESTIMONY WHEREOF, I have executed this instrument

	TO A TEN LUMBORA	i with the continue of the continue in a	maamaca.
Dated:	11/02,2011	Mun	Tec
an arrivation		ARKADY TEN	
		Notarial Acknowledgement	
enane	~CCALIDODNIA	\$	

STATE of CALIFORNIA)	
COUNTY OF Saila Clara) s:)	

On Zwow Der 2011, before me Sak Bangs Zak Notary Public, personally appeared Arkady Ten, 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 executed the same in his authorized capacity, and that by his signature on the instrument the person 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

BUIKI BANASZAK
COMM. # 1813715
HOTARY PUBLE. CALFORNIA
SANTA CLAMA COUNTY
By COMM. suppress Sopt. 18, 2013

[Seal]

Notary Public

My Commission Expires: 09 1/8/2012

Docket: D10109USP2

ACKNOWLEDGMENT

State of California County of Santa Clara	
on Z November 2011 before me, Sak; Bona szak Notar (insert name and title of the office	1 feblic
personally appeared ARKANA Ten	
who proved to me on the basis of satisfactory evidence to be the person(s) whose na- subscribed to the within instrument and acknowledged to me that he/she/they execute his/her/their authorized capacity(les), and that by his/her/their signature(s) on the instru- person(s), or the entity upon behalf of which the person(s) acted, executed the instrur	ed the same in rument the
I certify under PENALTY OF PERJURY under the laws of the State of California that i paragraph is true and correct.	he foregoing
	1813715 IC CALIFORNIAS IRA COUNTY
Signature (Seal)	an maker six easts

WHEREAS, <u>Gaven Wang</u>, a resident of <u>Redwood City</u>, <u>California</u>, <u>USA</u>, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.<u>61/552.868</u>, filed <u>October 28, 2011</u>, entitled <u>Encoding</u>, <u>Decoding</u>, <u>And Representing High Dynamic Range Images</u>.

WHEREAS, DOLBY LABORATORIES LICENSING CORPORATION, a New York corporation, having a place of business at 100 Potrero Avenue, San Francisco, California, 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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- (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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IN TESTIMONY WHEREOF, I have executed this instrument.

Dated: <u>Nov. Z</u> , 2011	GAVEN W Notafial Acknow	arriver in the second	
STATE OF CALIFORNIA COUNTY OF Say far	Clara)) ss:)	
On Z Notes Vez 20 appeared Gaven Wang, who pr name is subscribed to the within authorized capacity, and that by	oved to me on the basis of instrument and acknowle	of satisfactory evidence to be t ledged to me that he executed	he person whose the same in his

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing

WITNESS my hand and official seal

paragraph is true and correct.

SUKI BANASZAK [Seal]

Notary Public 19 My Commission Expires:

State of California County of Santa Clara On November 2011 before me, Sak', Bonaszak Notary hablic (insert name and title of the officer) personally appeared November 2012 before me, Sak', Bonaszak Notary hablic (insert name and title of the officer) personally appeared November 2012 before me, Sak', Bonaszak (insert name and title of the officer) personally appeared November 2012 before me, Sak', Bonaszak (insert name and title of the officer) personally appeared November 2012 before me, Sak', Bonaszak (insert name and title of the officer) personally appeared November 2012 before me, Sak', Bonaszak (insert name and title of the officer) personally appeared November 2012 before me, Sak', Bonaszak (insert name and title of the officer) personally appeared November 2012 before me, Sak', Bonaszak (insert name and title of the officer) personally appeared November 2012 before me, Sak', Bonaszak (insert name and title of the officer) personally appeared November 2012 before me, Sak', Bonaszak (insert name and title of the officer) personally appeared November 2012 before me, Sak', Bonaszak (insert name and title of the officer) personally appeared November 2012 before me, Sak', Bonaszak (insert name and title of the officer) personally appeared November 2012 before me, Sak', Bonaszak (insert name and title of the officer) personally appeared November 2012 before me, Sak', Bonaszak (insert name and title of the officer) personally appeared November 2012 before me, Sak', Bonaszak (insert name and title of the officer) personally appeared November 2012 before me, Sak', Bonaszak (insert name and title of the officer) personally appeared November 2012 before me, Sak', Bonaszak (insert name and title of the officer) personally appeared November 2012 before me, Sak', Bonaszak (insert name and title of the officer) personally appeared November 2012 before me, Sak', Bonaszak (insert name and title of the officer) personally appeared November 2012 before me, Sak', Bonaszak (insert name and title of the of

(Seal)

ACKNOWLEDGMENT

PATENT REEL: 028617 FRAME: 0071

RECORDED: 07/23/2012

Signature