503090949 12/08/2014

# **PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3137554

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
GOPI LAKSHMINARAYANAN	06/05/2013
SAMIR N. HULYALKAR	05/21/2013
TAO CHEN	05/23/2013
KLAAS HEINRICH SCHUEUER	05/16/2013
AMIT GULATI	06/05/2013
HARIHARAN GANAPATHY-KATHIRVELU	06/06/2013
PHILIPP KRAETZER	05/17/2013

## **RECEIVING PARTY DATA**

Name:	DOLBY LABORATORIES LICENSING CORPORATION
Street Address:	100 Potrero Avenue
City:	San Francisco
State/Country:	CALIFORNIA
Postal Code:	94103-4813
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:	14406173	

# **CORRESPONDENCE DATA**

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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.

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PATENT
REEL: 034428 FRAME: 0152

503090949 REEL: 03

Address Line 4: SAN FRANCISCO, CALIFORNIA 94107-5420	
ATTORNEY DOCKET NUMBER:	D12128US01
NAME OF SUBMITTER:	BIANCA MIYAKAWA
SIGNATURE:	/Bianca Miyakawa/
DATE SIGNED:	12/08/2014

**Total Attachments: 83** 

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WHEREAS, Gopi Lakshminarayanan, a resident of Fremont, California, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.61/659,588, filed June 14, 2012, entitled "Depth Map Delivery Formats for stereoscopic and Auto-Stereoscopic Displays".

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 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

D12128USP1

4. The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, his/her heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, I have executed this instrument.

Dated: 08/16 , 2012 GOPI LAN	/ KSHMINARAYANAN
Notaria	l Acknowledgement
STATE OF CALIFORNIA  COUNTY OF Santa Clara	) ) ss: )
person(s) whose name(s) is/are subscribed to the he/she/they executed the same in his/her/their a	Share Sare Sare Notary Public, personally oved to me on the basis of satisfactory evidence to be the he within instrument and acknowledged to me that authorized capacity(ies), and that by his/her/their the entity upon behalf of which the person(s) acted,

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

SUKI BANASZAK
COMBI. 8 1813715
NOTARY PUBLIC - CALIFORNIAS
SANTA CLARA COUNTY
By Comm. expires Sept. 18, 2012

[Seal]

Notary Public My Commission Expires: 0月/8/20/2

State of California County of <u>Santa Clava</u> )	
	S. L. Banaszak Notary R. bl. c (insert name and title of the officer)
subscribed to the within instrument and acknowled	ridence to/oe the person(s) whose name(s) is/are- edged to me that he/she/they executed the same in y his/her/their signature(s) on the instrument the person(s) acted, executed the instrument.
I certify under PENALTY OF PERJURY under the paragraph is true and correct.	ne laws of the State of California that the foregoing
WITNESS my hand and official seal. Signature	SUKI BANASZAK COMM. # 1813715 MOTARY PUBLIC - CALIFORNIAS SANTA CLARA COUNTY My Comm. expires Sept. 18, 2012
<b>*</b>	ONAL INFORMATION
DESCRIPTION OF THE ATTACHED DOCUMENT  (Title or description of attached document)  (Title or description of attached document)	***
Number of Pages 2 Document Date \$1/6/12  Las Actual Lagrangery  (Additional information)	

ACKNOWLEDGMENT

WHEREAS, <u>Samir Hulvalkar</u>, a resident of <u>Los Gatos</u>, <u>California</u>, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.<u>61/659.588</u>, filed <u>June 14, 2012</u>, entitled <u>"Depth Map Delivery Formats for stereoscopic and Auto-Stereoscopic Displays".</u>

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 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

D12128USP1

4. The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, his/her heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, I have executed this instrument.

Dated: 4/16 , 2012	SAMIR WULYALKAR
	Notarial Acknowledgement

STATE of CALIFORNIA	)
COUNTY OF <u>Senta Clava</u>	) ss )

On 16 / 16 16 16 17 2012, before me Seki Banas Zak , Notary Public, personally appeared Stario Village (at ), who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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.

SUKI BANASZAK
COMM. # 1813715
NOTARY PUBLIC - CALIFORNIAGE
SANTA CLARA COUNTY
My Comm. expires Sept. 18, 2012

[Seal]

My Commission Expires: 09/18/2013

State of California County of <u>Santa Alaska</u>	
on <u>lagact 202</u> before me, personally appeared <u>nm</u> but who proved to me on the basis of satisfactory subscribed to the within instrument and acknow his/her/their authorized capacity(iee), and that be person(s), or the entity upon behalf of which the	vidence to be the person(s) whose name(a) is/axe- ledged to me that he/she/they executed the same in y his/haw/their signature(a) on the instrument the
WITNESS my hand and official seal. Signature	SUKI BANASZAK COMM. # 1813715 NOTARY PUBLIC - CALIFORNIAS SANTA CLARA COUNTY My Comm. expires Sept. 18, 2012 My Comm. expires Sept. 18, 2012
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DESCRIPTION OF THE ATTACHED DOCUMENT    A	
Title or description of stached document continued)  Number of Page's Bocument Date 6/6//2	55
(Additional information)	

ACKNOWLEDGMENT

WHEREAS, <u>Tao Chen</u>, a resident of <u>Palo Alto, California</u>, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.61/659,588, filed <u>June 14, 2012</u>, entitled "Depth Map Delivery Formats for stereoscopic and Auto-Stereoscopic Displays".

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;

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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.
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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/her heirs, legal representatives and assigns.

resolution, marior mond, regul re	phonoment of the months.	
IN TESTIMONY	WHEREOF, I have executed this instru	nent.
Dated: <u>28//6</u> , 2012	TAO CHEN	 
	Notarial Acknowledgement	
STATE of CALIFORNIA COUNTY OF <u>Santa (</u>	) (arg ) ) ss:	
person(s) whose name(s) is/are su he/she/they executed the same in i	, before me Suk; Brassak  who proved to me on the basis of s bscribed to the within instrument and acl his/her/their authorized capacity(ies), and person(s), or the entity upon behalf of w	cnowledged to me that I that by his/her/their
I certify under PENALTY OF PE paragraph is true and correct.	RJURY under the laws of the State of Ca	alifornia that the foregoing
WITNESS my hand and official s	XX	*

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[Seal]

My Commission Expires: 09/18/2012

State of California County of <u>Santa Clava</u> )	•
personally appeared Table N who proved to me on the basis of satisfactory evi subscribed to the within instrument and acknowle his/handheir authorized capacity(ies), and that by person(s), or the entity upon behalf of which the p	(insert name and title of the officery)  idence to be the person(e) whose name(e) is/are edged to me that he/she/they executed the same in his/her/their signature(s) on the instrument the person(e) acted, executed the instrument.
WITNESS my hand and official seal. Signature	SUKI BANASIZAK COMM # 1813715 HOTARY PUBLIC - CALIFORNIAG SANTA CLARA COUNTY My Comm. expires Sept. 18, 2012
ADDITIONAL OPTIO	NAT TRIPODRIATION
ADDITIONAL OF TIO	NAL INFORMATION
DESCRIPTION OF THE ATTACHED DOCUMENT    Company   Compan	
Númber of Pages & Document Date 8/16/1 2    144   16/100   45/100    (Additional information)	

ACKNOWLEDGMENT

WHEREAS, Klaas Heinrich Schueuer, a resident of Berlin, Germany, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.61/659,588, filed June 14, 2012, entitled "Depth Map Delivery Formats for stereoscopic and Auto-Stereoscopic Displays".

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;

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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.
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- 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

D12128USP1

4. The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, his/her heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, I have executed this instrument.

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in the presence of	<u>,</u> ~		
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Signature of Wi	iness	(2)	
Signature of Wi	<u> </u>	(2)	
Signature of Wi	iness Kvaetzev	(2)	

D12128USP1

Print Witness's Address

WHEREAS, Gopi Lakshminarayanan, a resident of Fremont, California, USA, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.61/712.131, filed October 10, 2012, entitled Depth Map Delivery Formats for stereoscopic and Auto-Stereoscopic Displays.

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 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

4. The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, his/her heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, I have executed this instrument.

Dated: 10/15 /, 2012	KSHMINARAYANAN			
Notarial Acknowledgement				
STATE OF CALIFORNIA  COUNTY OF SANTA CLARA	) ) ss: )			
appeared <u>Gopi Lakshminarayanan</u> , who pro person(s) whose name(s) is/are subscribed to t he/she/they executed the same in his/her/their	Notary Public, personally ved to me on the basis of satisfactory evidence to be the the within instrument and acknowledged to me that authorized capacity(ies), and that by his/her/their r the entity upon behalf of which the person(s) acted,			
I certify under PENALTY OF PERJURY und paragraph is true and correct.	er the laws of the State of California that the foregoing			
R. C. SINGH  Commission # 1953520  Netary Public - California Santa Clará County My Comm. Expires Oct 21, 2015	Notary Public			

Docket: D12128USP2

My Commission Expires: OCT 21, OCT

WHEREAS, Samir N. Hulyalkar, a resident of Los Gatos, California, USA, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No. 61/712,131, filed October 10, 2012, entitled Depth Map Delivery Formats for stereoscopic and Auto-Stereoscopic Displays.

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:

- 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 therefo, 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.
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- 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

Docket: D12128USP2

4. The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, his/her heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, I have executed this instrument.

Dated: Oct. 22, 2012 John Mary

Notarial Acknowledgement

STATE of CALIFORNIA )
) ss:
COUNTY OF Sonta Clana )

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]

SUNTA SINGH

Commission # 1819169

Notary Public - California &

Santa Cisra County

My Somiss Expires Nov 18, 2012

Notary Public

My Commission Expires: NOVIA 2012

WHEREAS, <u>Tao Chen</u>, a resident of <u>Palo Alto</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>61/712,131</u>, filed <u>October 10</u>, <u>2012</u>, entitled <u>Depth Map Delivery Formats for stereoscopic and Auto-Stereoscopic Displays</u>.

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:

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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

4. The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, his/her heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, I have executed this instrument.

Dated: OCT 23, 2012

Notarial Acknowledgement

STATE of CALIFORNIA

) 88:

COUNTY OF Santa Clave

On (N+2) (N), 2012, before me (N) (N) (N), Notary Public, personally appeared **Tao Chen**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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

[Seal]

SUNITA SINGH Commission # 1819169. Notary Public - California Santa Clara Coperty Comm. Expires Nov 18, 2012

Notary Public
My Commission Expires: NOVIS NOIL

WHEREAS, Klaas Heinrich Schueuer, a resident of Berlin, Germany, berein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.61/712,131, filed October 10, 2012, entitled Depth Map Delivery Formats for stereoscopic and Auto-Stereoscopic Displays.

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:

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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

Docket: D12128USP2

4. The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, his/her heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, I have executed this instrument.

in lest inton i where it is not the martinent.
18 Oct, 2012 Was Schueuer
REAAS HERVRICH SCHOEGER
in the presence of:
Signature of Witness
LUCIA GRIDALDI
Print Witness's Name
MÜNCHENER STR. M. D-10779 BERLIN
Print Witness's Address
in the presence of:
Signature of Witness
PHILIPP KRAETEER
Print Witness's Name
WILHELMS HAVENER STR. 63, D-10557 BERLIA
Print Witness's Address

WHEREAS, <u>Amit Gulati</u>, a resident of <u>San Mateo</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>61/712,131</u>, filed <u>October 10, 2012</u>, entitled <u>Depth Map Delivery Formats for stereoscopic and Auto-Stereoscopic <u>Displays</u>.</u>

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:

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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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Docket: **D12128USP2** 

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.

ASSIGNOR, his/her heirs, legal representatives and assigns. IN TESTIMONY WHEREOF, I have executed this instrument. Notarial Acknowledgement STATE of CALIFORNIA COUNTY OF SANTA CLARA On 10/22, 2012, before me R- C I I I I I Notary Public, personally appeared Amit Gulati, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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 R. C. SINGH Commission # 1953520 Notary Public - California Santa Clara County

My Comm. Expires Oct 21, 2015

[Seal]

Notary Public

My Commission Expires: 07 7 2015

WHEREAS, Gopi Lakshminarayanan, a resident of Fremont, California, USA, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No. 61/739,886, filed December 20, 2012, entitled Depth Map Delivery Formats for stereoscopic and Auto-Stereoscopic Displays.

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;

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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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IN TESTIMONY WHEREOF, I have executed this instrument.

Dated: $0^2/3$ , 2013	GOPI LAKSHMINARAYAN	
	GOPI LAKSHMINARAYAN	VAN
	Notarial Acknowledgement	t
STATE of CALIFORNIA	)	
COUNTY OF JANTA CL	) ss: 144 )	
on 02/13/	s before me R. CS Wat	
appeared <u>Gopi Lakshminaraya</u> r	nan, who proved to me on the basi	s of satisfactory evidence to be the
he/she/they executed the same in	ubscribed to the within instrument his/her/their authorized capacity(is person(s), or the entity upon beha	es), and that by his/her/their
I certify under PENALTY OF PE paragraph is true and correct.	ERJURY under the laws of the Stat	te of California that the foregoing
WITNESS my hand and official s		
R. C. SINGH  Commission # 19535  Notary Public - Califor	520 <b>.</b> mia - <u>Ş</u>	
Santa Clara County My Comm. Expires Oct 21		Notary Public

WHEREAS, <u>Samir N. Hulyalkar</u>, a resident of <u>Los Gatos, California, USA</u>, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No. <u>61/739,886</u>, filed <u>December 20, 2012</u>, entitled <u>Depth Map Delivery Formats for stereoscopic and Auto-Stereoscopic Displays.</u>

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;

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IN TESTIMONY WHEREOF, I have executed this instrument. Notarial Acknowledgement STATE of CALIFORNIA COUNTY OF JANTA CLARA On 02/19/, 2013, before me R. C. SWEH, Notary Public, personally appeared Samir N. Hulyalkar, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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 R. C. SINGH Commission # 1953520 Notary Public - California Santa Clara County My Comm. Expires Oct 21, 2015 Seall

My Commission Expires: 0 4 2/

WHEREAS, <u>Tao Chen</u>, a resident of <u>Palo Alto, California, USA</u>, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No. <u>61/739,886</u>, filed <u>December 20, 2012</u>, entitled <u>Depth Map Delivery Formats for stereoscopic and Auto-Stereoscopic Displays.</u>

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 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

Docket: D12128USP3

4. The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, his/her heirs, legal representatives and assigns.

IN TESTIMONY WHEREC	OF, I have executed this in-	strument.
Dated: Feb 5, 2013		
	TAO CHEN	
Notar	ial Acknowledgement	
STATE of CALIFORNIA	) ) ss:	
COUNTY OF JANA GARA	)	
On	ne basis of satisfactory evilument and acknowledged to be and that by his/her/their the person(s) acted, execution	o me that he/she/they executed the signature(s) on the instrument the ded the instrument.
WITNESS my hand and official seal		
R. D. S.O.GH  Commission # 1953520  Notary Public - California #  Santa Clara County  My Comm. Expires Cct 21, 2015	Ø):	
(Scal)		Notary Public
	My Commission Exp	ires: <u>07.7.27.2015</u>

WHEREAS, Klaas Heinrich Schueuer, a resident of Berlin, Germany, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No. 61/739,886, filed December 20, 2012, entitled Depth Map Delivery Formats for stereoscopic and Auto-Stereoscopic Displays.

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 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

Docket: D12128USP3

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IN TESTIMONY WHEREOF, I have executed this instrument.

Dated:	4. Feb., 2013	Mai	o P	(
	·		EINRICH	SCHUEUER
	in the presence of:			(I)
	Signature of Witness		•••••••••••••••••••••••••••••••••••••••	magnetic Color
	LUCIA GR	IMAL	DI	
	Print Witness's Name	***************************************	••••	·············;
	MÜNCHENER S	TR. AA	PFF0K	BERLIN
	Print Witness's Addre			<del>~~~~</del>
	in the presence of:	<u></u>		(2)
	Signature of Witness			-
	PHILIPP KRA	FISE	R	
	Print Witness's Name			<del></del>
	WILHELMSHAVEN	ÆR :	SR 63	10551 BERLIA

Docket: D12128USP3

Print Witness's Address

WHEREAS, Amit Gulati, a resident of San Mateo, California, USA, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.61/739.886, filed December 20, 2012, entitled Depth Map Delivery Formats for stereoscopic and Auto-Stereoscopic Displays.

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;

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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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- 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

Docket: D12128USP3

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IN TESTIMONY WHEREOF, I have executed this instrument.

Dated: 2/28\_2013 AMIT GULATI

Notarial Acknowledgement

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

R. C. 3 (19) (1)

Commission: # 1963520

Rollery Public - California

Sand Clairs County

My Commit Expires On 21, 2015

[Seal]

Notary Public

My Commission Expires: 127 21, 2015

WHEREAS, Gopi Lakshminaravanan, a resident of Fremont, California, USA, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application. No.61/767,416, filed February 21, 2013, entitled Depth Map Delivery Formats for stereoscopic and Auto-Stereoscopic Displays.

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:

- 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.
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- 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

4. The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, his/her heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, I have executed this instrument.

Dated: ♥ ⟨	LARSHMINARAYANAN
, K.	rial Acknowledgement
STATE of CALIFORNIA  COUNTY OF 14-74 01414	)   ss; 
appeared <u>Gopi Lakshminarayanan</u> , who person(s) whose name(s) is/are subscribed the/she/they executed the same in his/her/the	ne <u>R.C.JWGH</u> , Notary Public, personally proved to me on the basis of satisfactory evidence to be the to the within instrument and acknowledged to me that eir authorized capacity(ies), and that by his/her/their, or the entity upon behalf of which the person(s) acted.
I certify under PENALTY OF PERJURY uparagraph is true and correct.	nder the laws of the State of California that the foregoing
WITNESS my band and afficial cast	

WITNESS my hand and official seal

R. C. SINGH
Commission # 1953529
Notary Public - California \$
Sama Clara County
My Comm. Expires Oct 21, 2015

Notary Public

My Commission Expires: 817 21 2015

WHEREAS, <u>Samir N. Hulyalkar</u>, a resident of <u>Los Gatos</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>61/767,416</u>, filed <u>February 21, 2013</u>, entitled <u>Depth Map Delivery Formats for stereoscopic and Auto-Stereoscopic</u> <u>Displays</u>.

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;

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

4. The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, his/her heirs, legal representatives and assigns.

IN TESTIMONY WHEREO	F, I have executed this instrument.
Dated: Mar 19, 2013SAN	LL-L- HR N HULYALKAR
Notari	al Acknowledgement
STATE of CALIFORNIA  COUNTY OF <u>Santa clava</u>	) ) ss; )
whose name(s) is/are subscribed to the within executed the same in his/her/their authorized of instrument the person(s), or the entity upon be	Notary Public, personally o me on the basis of satisfactory evidence to be the person(s) instrument and acknowledged to me that he/she/they capacity(ies), and that by his/her/their signature(s) on the chalf of which the person(s) acted, executed the instrument. Her the laws of the State of California that the foregoing
[Seal]  SUNTA SINGH  Commission # 1894918  Nutary Public - California  Sania Chira County  My Comm. Expires Nov 18, 2016	Notary Public  My Commission Expires: Nov 18, 2013

WHEREAS, Tao Chen, a resident of Palo Alto, California, USA, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No. 61/767,416, filed February 21, 2013, entitled Depth Map Delivery Formats for stereoscopic and Auto-Stereoscopic Displays.

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;

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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
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Docket: <u>D12128USP4</u>

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 TESTIMONY WHEREOF, I have executed this instrument.

Dated: 03/29_, 2013	
	TAO CHEN

## Notarial Acknowledgement

STATE of CALIFORNIA	)	
COUNTY OF SANTA CLASSA	) sac	
On 03/29 , 2013, before me_	R. C. Sent Gy	, Notary Public, personally
appeared Tao Chen, who proved to me on the	basis of satisfactory evide	ence to be the person(s) whose
name(s) is/are subscribed to the within instrum same in his/her/their authorized capacity(ies), a		
person(s), or the entity upon behalf of which th		

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

R. C. Silvini Commission # 1983620 Notary Posic - California Suma Cara County By Comm. Express Oct 21, 2015 | Scale

Notary Public

My Commission Expires: 0(7 2) 701

WHEREAS, Klaas Heinrich Schueuer, a resident of Berlin, Germany, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.61/767,416, filed February 21, 2013, entitled Depth Map Delivery Formats for stereoscopic and Auto-Stereoscopic Displays.

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Docket: D12128USP4

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.

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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/her heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, I have executed this instrument.

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www.minimum.	*************************	RICH SCHUEUER	
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Print Witness's Nan	18		
Münchener Str.	41, NOT79	Corlin	
Print Witness's Add	ress		

WHEREAS, Amit Gulati, a resident of San Mateo, California, USA, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.61/767,416, filed February 21, 2013, entitled Depth Map Delivery Formats for stereoscopic and Auto-Stereoscopic Displays.

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 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

Docket: <u>D12128USP4</u>

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 TESTIMONY WHEREOF, I have executed this instrument.

Dated: Notarial Acknowledgement

Notarial Acknowledgement

STATE of CALIFORNIA

On Act of Action (Section 1) | Section (Section 1) |

On Act of Action (Section 1) |

On Action (Section 1) |

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On Act

Docket: D12128USP4

[Seal]

SUNCTA SINGM Commission & 19949 (8 Noticy Public - California Sonta Cliera County My Comm. Exsires New 18, 2016 My Commission Expires: Novid 2016

WHEREAS, <u>Hariharan Ganapathy</u>, a resident of <u>Santa Clara, California, USA</u>, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.61/767,416, filed <u>February 21, 2013</u>, entitled <u>Depth Map Delivery Formats for stereoscopic and Auto-Stereoscopic Displays.</u>

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;

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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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Docket: <u>D12128USP4</u>

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IN TESTIMONY WHEREOF, I have executed this instrument.

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Dated: 03/25, 2013 Gb-69 HARIHAI	RAN GANAPATHY		
Notarial Acknowledgement			
STATE of CALIFORNIA	)		
COUNTY OF SANTA CLASA	) ss: )		
person(s) whose name(s) is/are subscribed to the he/she/they executed the same in his/her/their at	R-CSINGLY, Notary Public, personally to me on the basis of satisfactory evidence to be the e within instrument and acknowledged to me that athorized capacity(ies), and that by his/her/their the entity upon behalf of which the person(s) acted,		
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			
R. C. SINGH  Commission # 1953520  Notary Public - California  Santa Clara County  My Comm. Expires 0ct 21, 2015			
My Comm. Expires Oct 21, 2015	Notary Public  My Commission Expires: 800 21 300		

WHEREAS, <u>Gopi Lakshminaravanan</u>, a resident of <u>Fremont, California, USA</u>, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No. <u>61/807.013</u>, filed <u>April 1, 2013</u>, entitled <u>Depth Map Delivery Formats for Stereoscopic and Auto-Stereoscopic Displays.</u>

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:

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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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by ASSIGNEE, for reissuance or reexamination of said patents, or for the filling 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 TESTIMONY WHEREOF, I have executed this instrument.
Dated: OU 65 . 2013 GOPT LAKSHMINARAYANAN
Notarial Acknowledgement
STATE of CALIFORNIA )
COUNTY OF <u>JA274 C4464</u> )
On
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  C. C. Single Commission # 1953850  Reserve Position - California Signa Class Guerry By Commission Excress Got 81, 2015
appeared Gopt Lakshminarayanan, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(jes), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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  Secure State  Secure S

Docket: D12128USP5

My Commission Expires: 072

WHEREAS, <u>Samir N. Hulyalkar</u>, a resident of <u>Los Gatos</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>61/807.013</u>, filed <u>April 1, 2013</u>, entitled <u>Depth Map Delivery Formats for Stereoscopic and Auto-Stereoscopic</u> <u>Displays</u>.

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;

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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: D12128USP5

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IN TESTIMONY WHEREOF, I have executed this instrument.

Dated: 107-25, 2013	Stylighter
	SÄMIR NJHULYALKAR

Notarial Acknowledgement

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STATE of CALIFORNIA		)		
COUNTY OF	4484	) ss: )		
on04/257_,2	013, before me	R.C.SINGH	, Notary Public, persor	ıally
appeared Samir N. Hulyalka whose name(s) is/are subscrib executed the same in his/her/t	$oldsymbol{r}$ , who proved to med to the within ins	te on the basis of satisfa strument and acknowled	ctory evidence to be the pe Iged to me that he/she/they	rson(s)
instrument the person(s), or the	e entity upon beha	If of which the person(s	) acted, executed the instru	ment.

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

C.C.(4GH Commission # 1953520 Notary Public - California Santa Clara County My Comm. Expires Oct 21, 2015

Notary Public

My Commission Expires: 07 21 2015

WHEREAS, <u>Tao Chen</u>, a resident of <u>Palo Alto</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>61/807.013</u>, filed <u>April 1, 2013</u>, entitled <u>Depth Map Delivery Formats for Stereoscopic and Auto-Stereoscopic Displays</u>.

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;

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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
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Docket: D12128USP5

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ASSIGNOR, his/her heirs, legal representatives and assigns.
IN TESTIMONY WHEREOF, I have executed this instrument.
Dated: 04/17, 2013
TAO CHEN
Notarial Acknowledgement
STATE of CALIFORNIA )
COUNTY OF <u>SARTH CCASCA</u>
On
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]

A C. StarGii Commissien # 1953620 Natary Public - California B Starte Clara Caunty My Comm. Expres Oct 21, 2016 Notary Public

My Commission Expires: OCT 2/ TLOV

WHEREAS, Klaas Heinrich Schueuer, a resident of Berlin, Germany, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No. 61/807.013, filed April 1, 2013, entitled Depth Map Delivery Formats for Stereoscopic and Auto-Stereoscopic Displays.

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;

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Docket: D12128USP5

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IN TESTIMONY WHEREOF, I have executed this instrument.

8. 4. 2013	Marin	10-	***************************************
	KLAAS HEINR	HCH SCHUEUER	
in the presence of:	₩.		
/ / /	Sign	(1)	
Signature of Witness			
LUCIA GRIMI	ALD 1		
Print Witness's Name	***************************************	***************************************	
MUNCHENER STI	FF01 . 11.8	9 Belia	
Print Witness's Addres			
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in the presence of:	×-		
	<b></b>	(2)	
Signature of Witness			
Philips Kine	lzev		
Print Witness's Name	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	······	
Wilhelmshavene	x Sh. 63.	10551 Bearing	Garm
Print Witness's Address	163		

WHEREAS, <u>Amit Gulati</u>, a resident of <u>San Mateo</u>, <u>California</u>, <u>USA</u>, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.61/807.013, filed <u>April 1, 2013</u>, entitled <u>Depth Map Delivery Formats for Stereoscopic and Auto-Stereoscopic Displays</u>.

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 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 ficense, 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 will assist in the ascertainment of facts and the production of evidence relating to said invention, applications and patents.

4. The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, his/her heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, I have executed this instrument.	
Dated: 4/5 , 2013	
AMIT GULATI	
Notarial Acknowledgement	
STATE of CALIFORNIA )	
COUNTY OF Santa Clara )	
On April C 2013, before me Junia Institute to the personally appeared Amit Gulati, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.	16. 5.
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]  Notary Public  My Commission Expires: //e / 1 8, 2016  Commission # 1994016  Romy Fable - California #  Santa Clara County #  Say Commission & 18, 2015	

Docket: <u>D12128USP5</u>

WHEREAS, <u>Hariharan Ganapathy</u>, a resident of <u>Santa Clara, California, USA</u>, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.61/807,013, filed <u>April 1, 2013</u>, entitled <u>Depth Map Delivery Formats for Stereoscopic and Auto-Stereoscopic Displays.</u>

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 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.

IN TESTIMONY WHEREOF, I have executed this instrument.

Dated: 04 09 , 2013 G. b. H. HARIHA	BULLARAN. RANGANAPATHY KATHIRVELY
Notarial	Acknowledgement
STATE of CALIFORNIA	) ) ss: )
appeared <b>Hariharan Ganapathy</b> , who proved person(s) whose name(s) is/are subscribed to the he/she/they executed the same in his/her/their a signature(s) on the instrument the person(s), or executed the instrument.	Notary Public, personally to me on the basis of satisfactory evidence to be the se within instrument and acknowledged to me that suthorized capacity(ies), and that by his/her/their the entity upon behalf of which the person(s) acted, or the laws of the State of California that the foregoing
WITNESS my hand and official seal	
[Seal]  SUN:TA SINGH  Commission # 1994918  Notary Public - California  Santa Clara County	Notary Public  My Commission Expires: Nov 18, 2016
№ Comm. Expires Nov 18, 2016	

WHEREAS, Gopi Lakshminarayanan, a resident of Fremont, California, USA, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.61/807.668, filed April 2, 2013, entitled Depth Map Delivery Formats for Stereoscopic and Auto-Stereoscopic Displays.

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 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 will assist in the ascertainment of facts and the production of evidence relating to said invention, applications and patents.

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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/her heirs, legal representatives and assigns.
IN TESTIMONY WHEREOF, I have executed this instrument.
Dated: 04/05/,2013 July GOPI LAKSHMINARAYANAN
Notarial Acknowledgement
STATE of CALIFORNIA )
COUNTY OF <u>SANA CLACA</u> ) ss:
On
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  S. J. Sport  Composition # 1959ac.0  Sanda Clara County  Sty Comm Expires Cet 21 2316  [Seal]  Notary Public  My Commission Expires: 2 1 2 2 1 2 2 1

WHEREAS, Samir N. Hulyalkar, a resident of Los Gatos. California, USA, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.61/807.668, filed April 2, 2013, entitled Depth Map Delivery Formats for Stereoscopic and Auto-Stereoscopic Displays.

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:

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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.
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Docket: <u>D12128USP6</u>

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 will assist in the ascertainment of facts and the production of evidence relating to said invention, applications and patents.

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IN TESTIMONY WHEREOF, I have executed this instrument

we constructed a management of the construction and management	
Dated: Apr. 25, 2013 SAMIR NHULYALKAR	
Notarial Acknowledgement	
STATE of CALIFORNIA )	
COUNTY OF	
On	(s)
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  R. C. Sinium  Commission # 1953520  Notary Public - California  Santa Clara County  My Comm. Expires Del 21, 2015	

Docket: D12128USP6

[Seal]

Notary Public

My Commission Expires: 6 47 21

WHEREAS, <u>Tao Chen</u>, a resident of <u>Palo Alto, California, USA</u>, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No. <u>61/807,668</u>, filed <u>April 2, 2013</u>, entitled <u>Depth Map Delivery Formats for Stereoscopic and Auto-Stereoscopic Displays</u>.

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:

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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: D12128USP6

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 TESTIMONY WHEREOF, I have executed this instrument.

Dated: <u>04/17</u> , 2013	TAO CHEN	
Nota	rial Acknowledgement	
STATE of CALIFORNIA	) ) ss:	
COUNTY OF SANTA CCARGA	)	
On	me basis of satisfactory evidence to be ument and acknowledged to me that I	e the person(s) whose ne/she/they executed the
same in his/her/their authorized capacity(ies person(s), or the entity upon behalf of which	<ul> <li>and that by his/her/their signature(</li> <li>the person(s) acted, executed the inst</li> </ul>	s) on the instrument the trument.
I certify under PENALTY OF PERJURY un paragraph is true and correct.	nder the laws of the State of Californi	a that the foregoing
WITNESS my hand and official seal		
[Seal]	Notary	Public

A. C. SINGA Commission # 1953520 Notary Public - California Santa Clara County My Comm. Expires Oct 21, 2015 My Commission Expires: # ##

WHEREAS, Klaas Heinrich Schueuer, a resident of Berlin, Germany, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.61/807.668, filed April 2, 2013, entitled Depth Man Delivery Formats for Stereoscopic and Auto-Stereoscopic Displays.

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:

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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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Docket: D12128USP6

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 TESTIMONY WHEREOF, I have executed this instrument.

KLAAS HEIN	RICH SCHUEUER
in the presence of:  Signature of Witness	(1)
LUCIA GRIMALDI Print Witness's Name	
行うがくおもいぞえ 37名。 14 、16 Print Witness's Address	WIJSS CFFC
in the presence of:	(2)
Signature of Witness	
Rulion Kronter	
Print Witness's Name	
Wholychaverer St. 65	10551 Berlin, Germany
Print Witness's Address	

WHEREAS, <u>Amit Gulati</u>, a resident of <u>San Mateo</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>61/807</u>,668, filed <u>April 2</u>, <u>2013</u>, entitled <u>Depth Map Delivery Formats for Stereoscopic and Auto-Stereoscopic Displays</u>.

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 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.

IN TESTIMONY WHEREOF, I have executed this instrument. AMIT GULATI Notarial Acknowledgement STATE of CALIFORNIA COUNTY OF <u>Santa Clar</u>a On Fyril QS , 2013, before me Junity Junity . Notary Public, personally appeared Amit Gulati. who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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 [Seal] My Commission Expires: SUNTA SPECIA Commission # 1994918 Signary Public - California Carlle Close County

Docket: D12128USP6

My Colom, Expires Nov 18, 2016

WHEREAS, <u>Hariharan Ganapathy</u>, a resident of <u>Santa Clara, California, USA</u>, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.<u>61/807.668</u>, filed <u>April 2, 2013</u>, entitled <u>Depth Map Delivery Formats for Stereoscopic and Auto-Stereoscopic Displays.</u>

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 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.

IN TESTIMONY WHEREOF, I have executed this instrument.

	A A A A A A A A A A A A A A A A A A A
Dated: 04/09/, 2013 <u>C. b.</u> HARIH.	Haritarar. ARANGANAPATHY KATHIRVELLU
Notari	al Acknowledgement
STATE OF CALIFORNIA	) ) ss: )
person(s) whose name(s) is/are subscribed to the/she/they executed the same in his/her/their	Notary Public, personally to me on the basis of satisfactory evidence to be the the within instrument and acknowledged to me that authorized capacity(ies), and that by his/her/their or the entity upon behalf of which the person(s) acted,
I certify under PENALTY OF PERJURY und paragraph is true and correct.	er the laws of the State of California that the foregoing
WITNESS my hand and official seal	
	4
[Seal]	Notary Public
	My Commission Expires: No 16 2016

Docket: D12128USP6

SUN!TA SINGH Commission # 1994918 Notary Public - California Santa Clara County ∰g Comm. Expires Nov 18, 2016

WHEREAS, <u>Philipp Kraetzer</u>, a resident of <u>Berlin</u>, <u>Germany</u>, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.61/807.668, filed <u>April</u> 2, 2013, entitled <u>Depth Map Delivery Formats for Stereoscopic and Auto-Stereoscopic Displays</u>.

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:

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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 filling 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

Docket: D12128USP6

applications for patents counterpart to or in any way based on or relates to said application or to an application which is a division of, substitution of, continuation of, continuation-in-part of, said application or which application claims priority from or relates to said invention or improvements thereto. ASSIGNOR further covenants and agrees that at the expense and request of ASSIGNEE, he/she will promptly assist ASSIGNEE in interference, opposition and reexamination proceedings involving said invention, applications and patents, and in litigation involving said invention, applications and patents, and will assist in the ascertainment of facts and the production of evidence relating to said invention, applications and patents.

4. The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, his/her heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, I have executed this instrume	nt.
PHILIPP KRAETZER	
in the presence of:	
in the presence of: (1)	
Signature of Witness	
LUCIA GRIMACDI	
Print Witness's Name	
MÜNCHENER STE. AA, AOFFG BERLIN	
Print Witness's Address	
in the presence of:	
Mdlus (2)	
Signature of Witness	
ARION NEDDENS	
Print Witness's Name	
ELBESTR. 37, 12045 BERLIN	
Print Witness's Address	

Docket: D12128USP6

Dated

WHEREAS, Gopi Lakshminarayanan, a resident of Fremont, California, USA, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.61/822,060, filed May 10, 2013, entitled Depth Map Delivery Formats for Stereoscopic and Auto-Stereoscopic Displays.

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;

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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.
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- 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

Docket: D12128USP7

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.

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IN TESTIMONY WHEREOF, I have executed this instrument.

The state of the s				
Dated: 06/08 1.2013 GOPI LAKSHMINARAYANAN				
Notarial Acknowledgement				
STATE of CALIFORNIA				
COUNTY OF <u>SALTH CLASS</u> ) ss:				
On				
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct,				
The Stripmen Section 2011 and the section of the se				

WITNESS my hand and official seal

R. C. SINGH
Commission # 1953520
Notary Public - California
Santa Clara County
My Comm. Gray(a) (0:1-21, 2015

Notary Public

My Commission Expires: 12 21 701

WHEREAS, <u>Samir N. Hulvalkar</u>, a resident of <u>Los Gatos</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>61/822,060</u>, filed <u>May 10, 2013</u>, entitled <u>Depth Map Delivery Formats for Stereoscopic and Auto-Stereoscopic</u> <u>Displays</u>.

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:

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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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IN TESTIMONY WHEREOI	F, I have executed this instrument.			
Dated: May 21, 2013 SAM	Lylan IR N. HULYALKAR			
Notarial Acknowledgement				
STATE of CALIFORNIA COUNTY OF <i>SANTA CLARA</i>	) ) ss; )			
appeared <u>Samir N. Hulvalkar</u> , who proved to whose name(s) is/are subscribed to the within executed the same in his/her/their authorized or	Notary Public, personally me on the basis of satisfactory evidence to be the person(s) instrument and acknowledged to me that he/she/they capacity(ies), and that by his/her/their signature(s) on the shalf of which the person(s) acted, executed the instrument.			
I certify under PENALTY OF PERJURY under paragraph is true and correct.  WITNESS my hand and official seal	R. C. SINGH COMM. NO. 1953520 NOTARY PUBLIC - CALIFORNIA S SANTA CLARA COUNTY COMM. EXPIRES OCT. 21, 2015			
[Seal]	Notary Public  My Commission Expires: 0(7.2(, 2015)			

WHEREAS, <u>Tao Chen</u>, a resident of <u>Palo Alto, California, USA</u>, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.<u>61/822,060</u>, filed <u>May 10, 2013</u>, entitled <u>Depth Map Delivery Formats for Stereoscopic and Auto-Stereoscopic Displays</u>.

WHEREAS, DOLBY LABORATORIES LICENSING CORPORATION, a New York corporation, having a place of business at 100 Potrcro 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;

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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: D12128USP7

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 TESTIMONY WHEREC	OF, I have executed this instrument.
Dated: <u>05/23</u> , 2013	TAO CHEN
Notar	ial Acknowledgement
STATE of CALIFORNIA  COUNTY OF SALTA CLACA	) ) ss: )
OnOS/23/, 2013, before me appeared <u>Tao Chen</u> , who proved to me on the name(s) is/are subscribed to the within instrusame in his/her/their authorized capacity(ies)	R. C. Sinsay, Notary Public, personally ne basis of satisfactory evidence to be the person(s) whose ament and acknowledged to me that he/she/they executed the hand that by his/her/their signature(s) on the instrument the the person(s) 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

R. C. SINGH COMM. NO. 1953520 M NOTARY PUBLIC - CALIFORNIA S SANTA CLARA COUNTY COMM. EXPIRES OCT. 21, 2015 SSURECTES SERVICES OF SERVICES

Notary Public

My Commission Expires: 0 ン 2()

WHEREAS, Klaas Heinrich Schueuer, a resident of Berlin, Germany, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.61/822,060, filed May 10, 2013, entitled Depth Map Delivery Formats for Stereoscopic and Auto-Stereoscopic Displays.

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 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

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applications for patents counterpart to or in any way based on or relates to said application or to an application which is a division of, substitution of, continuation of, continuation-in-part of, said application or which application claims priority from or relates to said invention or improvements thereto. ASSIGNOR further covenants and agrees that at the expense and request of ASSIGNEE, he/she will promptly assist ASSIGNEE in interference, opposition and reexamination proceedings involving said invention, applications and patents, and in litigation involving said invention, applications and patents, and will assist in the ascertainment of facts and the production of evidence relating to said invention, applications and patents.

4. The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, his/her heirs, legal representatives and assigns.

	IN TESTIMONY WHEREOF, I have executed this instrument.
Dated:	16.05, 2013 May Schueuer
	in the presence of:
	Signature of Witness
	Allas Kraetzeu
	Print Witness's Name
	Withelmchavener Str. 63, Berlin
	Print Witness's Address
	in the presence of:
	Signature of Witness (2)
	LUCIA GRIMALDI
	Print Witness's Name
	Minchener Sh. 11, 10779 BERLIN + Somery Print Witness's Address
	Print Witness's Address

WHEREAS, Amit Gulati, a resident of San Mateo, California, USA, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.61/822,060, filed May 10, 2013, entitled Depth Map Delivery Formats for Stereoscopic and Auto-Stereoscopic Displays.

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:

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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

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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 TESTIMONY WHEREOF, I have executed this instrument.

Dated: Line 5 , 2013 AMIT GULATI

Notarial Acknowledgement

STATE of CALIFORNIA	)
COUNTY OF SANDA CLASS	) ss )

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

R. C. SINGH
Commission # 1953520
Notery Public - California
Santa Clara County
My Comm. Expires Oct 21, 2015

Notary Public

My Commission Expires: PCT 21. DOCS

WHEREAS, <u>Hariharan Ganapathy</u>, a resident of <u>Santa Clara, California, USA</u>, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.61/822,060, filed <u>May 10, 2013</u>, entitled <u>Depth Map Delivery Formats for Stereoscopic and Auto-Stereoscopic Displays.</u>

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:

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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.
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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 TESTIMONY WHEREOF, I have executed this instrument.

Dated: 06/06/, 2013 G 6	Hayhayau. RIHARAN GANAPATHY
No	otarial Acknowledgement
STATE of CALIFORNIA	)
COUNTY OF SANTA MARA	) ss: )
person(s) whose name(s) is/are subscribed he/she/they executed the same in his/her/t signature(s) on the instrument the person(executed the instrument.	roved to me on the basis of satisfactory evidence to be the d to the within instrument and acknowledged to me that their authorized capacity(ies), and that by his/her/their (s), or the entity upon behalf of which the person(s) acted,
R. C. SINGH Commission # 1953520 Notary Public - California Santa Clara County My Comm. Expires Oct 21, 2015	
[Seal]	Notary Public  My Commission Expires: 0CT 2/ 2015

WHEREAS, <u>Philipp Kraetzer</u>, a resident of <u>Berlin</u>, <u>Germany</u>, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No.<u>61/822.060</u>, filed <u>May</u> 10, 2013, entitled <u>Depth Map Delivery Formats for Stereoscopic and Auto-Stereoscopic Displays.</u>

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:

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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.
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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 TESTIMONY WHEREOF, I have executed this instrument.
Dated:	A TILOT , 2013 PHILIPP KRAETZER
	in the presence of:
	Signature of Witness
	Uwe Kowalik
	Print Witness's Name
	Stavanger Str. 1, 10439 Berlin, Germany
	Print Witness's Address
	in the presence of:
	Signature of Witness
	LUCIA GRIMALDI
	Print Witness's Name
	Manchener Str. M., 10779 Bolin, Jermany Print Witness's Address
	Frint witness's Address

Docket: D12128USP7

**RECORDED: 12/08/2014**