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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LORNE A. WHITEHEAD	05/14/2009
GREGORY JOHN WARD	05/12/2009
LOUIS D. SILVERSTEIN	05/13/2009
HELGE SEETZEN	06/25/2009

RECEIVING PARTY DATA

Name:	DOLBY LABORATORIES LICENSING CORPORATION
Street Address:	1275 MARKET STREET
City:	SAN FRANCISCO
State/Country:	CALIFORNIA
Postal Code:	94103

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15905085

CORRESPONDENCE DATA

Fax Number: (415)645-4000

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

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 4155580200

Email: patents@dolby.com

Correspondent Name: DOLBY LABORATORIES, INC.

Address Line 1: 1275 MARKET STREET

Address Line 4: SAN FRANCISCO, CALIFORNIA 94103

ATTORNEY DOCKET NUMBER:	D08027US05
NAME OF SUBMITTER:	DANA CHAN
SIGNATURE:	/Dana Chan/
DATE SIGNED:	02/26/2018

Total Attachments: 6

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ASSIGNMENT

WHEREAS, Lorne A. Whitehead, Gregory John Ward, Louis D. Silverstein, and Helge Seetzen, whose full post office addresses are 3015 West 12th Avenue, Vancouver, British Columbia, V6K 2R4, Canada; 1200 Dartmouth Street #C, Albany, California 94706, United States; c/o VCD Sciences, Inc., 9695 East Yucca Street, Scottsdale, Arizona 85260-6201, United States; and, 2576 West 6th Avenue, Vancouver, British Columbia, V6K 1W5, Canada, herein referred to as ASSIGNOR, are the inventors and owners of United States Provisional Patent Application No. 61/154,866 filed 24 February 2009, entitled APPARATUS FOR PROVIDING LIGHT SOURCE MODULATION IN DUAL MODULATOR DISPLAYS.

WHEREAS, DOLBY LABORATORIES LICENSING CORPORATION, a New York corporation, having a place of business at 100 Potrero Street, San Francisco, California, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said application and the invention to which said application is directed, in and to any and all improvements relating to said invention, and in and to all patents thereon, when granted in the United States and all foreign countries;

NOW, THEREFORE, in consideration of good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR:

- 1. ASSIGNOR hereby grants, sells, assigns, transfers and conveys unto ASSIGNEE, or to the extent ASSIGNOR has already done so, ASSIGNOR hereby confirms the grant, sale, assignment, transfer and conveyance unto ASSIGNEE of the entire right, title and interest:
 - (a) in and to said application, invention, and improvements thereto, and each and every additional application filed anywhere in the world, whether or not the country, jurisdiction, or authority of filing is a member of the International Union for the Protection of Industrial Property (The Paris Convention), which additional application is a division of, substitution of, continuation of, continuation-in-part of, or is a counterpart of, or is in any way based on, claims priority from, or relates to, said application, invention or improvements thereto;
 - (b) all priority rights associated with the filing of each and every such application, for each country of The Paris Convention, for the Patent Cooperation Treaty, for the European Patent Convention, for all other treaties of like purposes, and for Taiwan; and
 - (c) in and to each and every patent on said invention or improvements thereto that may be granted by any country, jurisdiction or authority, including each and every patent that may be granted on any of the applications referred to in sub-section (a), and in and to each and every reissue, reexamination certificate, or extension of each and every such patent.
- 2. ASSIGNOR hereby warrants, covenants and represents that he/she has not heretofore granted to anyone other than ASSIGNEE any license, right or privilege in respect to the said applications, patents, or said invention, nor in any other way encumbered the same, and that

he/she has, or in the case of a previous assignment to ASSIGNEE, ASSIGNOR had the full right to convey, free of all licenses and encumbrances, the entire right, title and interest hereby assigned.

- 3. ASSIGNOR covenants and agrees that at the request and expense of ASSIGNEE he/she will promptly execute all papers deemed necessary or desirable by ASSIGNEE to perfect ownership of said invention, applications, and patents to ASSIGNEE, and execute all oaths, declarations and other papers deemed necessary or desirable by ASSIGNEE for prosecuting said applications and patents, for use in interference proceedings involving said invention, applications and patents, for use in opposition proceedings involving said invention, applications and patents, for refiling said applications, for filing of divisional, substitution, continuation or continuation-in-part applications deemed necessary or desirable by ASSIGNEE, for reissuance or reexamination of said patents, or for the filing in foreign countries of applications for patents counterpart to or in any way based on or relates to said application or to an application which is a division of, substitution of, continuation of, continuation-in-part of, said application or which application claims priority from or relates to said invention or improvements thereto. ASSIGNOR further covenants and agrees that at the expense and request of ASSIGNEE, he/she will promptly assist ASSIGNEE in interference, opposition and reexamination proceedings involving said invention, applications and patents, and in litigation involving said invention, applications and patents, and will assist in the ascertainment of facts and the production of evidence relating to said invention, applications and patents.
- 4. The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, his heirs, legal representatives and assigns.

IN TESTIMONY WHERI Dated: May 14 2009, 2009	EOF, I have executed this instrument. Lorne A. Whitehead
appeared Lorne A. Whitehead, who prove person whose name is subscribed to the v	9, before me
WITNESS my hand and official seal	Jus Muss
[Seal]	Notary Public in the Province of British Columbia My Commission is Non-Expiring

Pakissaker, BC V81 1/23 Talesmone: 804-822-0982 Paki 804-822-8589 Barrister & Selicitor
PATENT Sponsored Research

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Assignment to Dolby Laboratories Licen	sing Corporation	Page 3 of
IN TESTIMONY WHERE Dated: 12 May 2009, 2009	OF, I have executed this instrume	nt.
Notaria	l Acknowledgement	
STATE of CALIFORNIA)) ss:)	. •
On, 2009, appeared Gregory John Ward, who proved person whose name is subscribed to the wiexecuted the same in his authorized capacit person executed the instrument. I certify under PENALTY OF PER	ithin instrument and acknowledge ity, and that by his signature on t	ed to me that he he instrument the
the foregoing paragraph is true and correct	t.	
WITNESS my hand and official seal [Seal]	Notary Public	
COLLIN BECKER COMM. # 1733480 NOTARY PUBLIC - CALIFORN ALAMEDA COUNTY My Comm. Exp. March 25, 201	NA R	Muller 28,200

IN TESTIMONY WHEREO	F, I have executed this instrument.
Dated: 14 0 N 1 2	2000
Dated: <u>MAY 1 3</u> ,	Louis D. Silverstein
No	otarial Acknowledgement
STATE of ARIZONA)) ss:
COUNTY OF MARICUPA	
appeared Louis D. Silverstein, who person whose name is subscribed to	2009, before me Rebear L. Poe, personally proved to me on the basis of satisfactory evidence to be the the within instrument and acknowledged to me that he capacity, and that by his signature on the instrument the
I certify under PENALTY Of foregoing paragraph is true and corre	F PERJURY under the laws of the State of Arizona that the ect.
WIT SEE THE MAN AND SERVICE OF THE MAN AND SE	
IN TESTIMONY WHEREC	F, I have executed this instrument.
Dated:,	2009 Helge Seetzen
appeared Helge Seetzen, who prove whose name is subscribed to the wit	d to me on the basis of satisfactory evidence to be the person thin instrument and acknowledged to me that he executed the d that by his signature on the instrument the person executed
WITNESS my hand and official sea	1
[Seal]	Notary Public in the Province of British Columbia My Commission is Non-Expiring

CALIFORNIA JURAT WITH AFFIANT STATEMENT See Attached Document (Notary to cross out lines 1-6 below) ☐ See Statement Below (Lines 1–5 to be completed only by document signer[s], not Notary) Signature of Document Signer No. 2 (if any) Signature of Document Signer No. 1 State of California County of SAN FRANCISCO Subscribed and sworn to (or affirmed) before me on this proved to me on the basis of satisfactory evidence to be the person who appeared before me (.) (,) (and EILY S CHEUNG Commission # 1617379 Name of Signer Notary Pates - California proved to me on the basis of satisfactory evidence San Francisco County to be the person who appeared before me.) My Comm. Expires Nov 18, 2006 Signature Place Notary Seal Above OPTIONAL -Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document. Top of thumb here Top of thumb here **Further Description of Any Attached Document** Title or Type of Document:

Signer(s) Other Than Named Above: A. WHITEHEAD

GREGORY JOHN WARD

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Assignment to Dolby Laborate	ories Licensing Corporation Page 4 of 4	
IN TESTIMONY WHE	REOF, I have executed this instrument.	
Dated:	, 2009	
	Louis D. Silverstein	
	Notarial Acknowledgement	
STATE of ARIZONA)	
) ss:	
COUNTY OF)	
person whose name is subscrib	, 2009, before me, personally who proved to me on the basis of satisfactory evidence to be the ed to the within instrument and acknowledged to me that he rized capacity, and that by his signature on the instrument the	
I certify under PENALT foregoing paragraph is true and	ΓΥ OF PERJURY under the laws of the State of Arizona that the l correct.	
WITNESS my hand and officia	ıl seal	
[Seal]	Notary Public My Commission Expires:	
IN TESTIMONY WHE	EREOF, I have executed this instrument.	
whose name is subscribed to the	, 2009, before me, personally proved to me on the basis of satisfactory evidence to be the person me within instrument and acknowledged to me that he executed the y, and that by his signature on the instrument the person executed	
WITTERS IN HAIR AND STILL	MT DAWI	
[Seal]	Notary Public in the Province of British Columbia My Commission is Non-Expiring	

RECORDED: 02/26/2018