505031805 08/01/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5078556

SUBMISSION TYPE:			NEW ASSIGNMENT			
NATURE OF CONVEYANCE:			ASSIGNMENT			
CONVEYING PARTY	DATA					
			Name		Execution Date	
JOEL A. BUTLER					01/26/2017	
LUCA REVELLI					01/26/2017	
ERICH HUBERT VOGEL					02/15/2017	
RECEIVING PARTY	ΟΑΤΑ					
Name:	DOLB	DOLBY LABORATORIES LICENSING CORPORATION				
Street Address:	1275 N	1275 MARKET STREET				
City:	SAN F	SAN FRANCISCO				
State/Country:	CALIF	ORNIA				
Postal Code:	94103-	94103-1410				
Application Number:		16048172				
PROPERTY NUMBERS Total: 1 Property Type			Number	1		
Application Number.		100-0				
CORRESPONDENCE	DATA					
Fax Number:		• •	645-4000			
			e-mail address first; if that is un hat is unsuccessful, it will be se			
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, i i i i i i i i i i i i i i i i i i i		· /	, nts@dolby.com			
•			BY LABORATORIES, INC.			
		-	5 MARKET STREET			
Address Line 4:		SAN	FRANCISCO, CALIFORNIA 9410	3-1410		
TTORNEY DOCKET NUMBER:			D15133BUS01			
ATTORNEY DOCKET	NUMBER:			BIANCA MIYAKAWA		
NAME OF SUBMITTER						
ATTORNEY DOCKET NAME OF SUBMITTEF SIGNATURE: DATE SIGNED:			BIANCA MIYAKAWA			
NAME OF SUBMITTEF SIGNATURE: DATE SIGNED:			BIANCA MIYAKAWA /Bianca Miyakawa/			
NAME OF SUBMITTER SIGNATURE: DATE SIGNED: Total Attachments: 6	R:		BIANCA MIYAKAWA /Bianca Miyakawa/			
NAME OF SUBMITTER SIGNATURE: DATE SIGNED: Total Attachments: 6 source=D15133USP4-2 source=D15133USP4-2	R: 20170126- <i>A</i> 20170126- <i>A</i>	Asgmt	BIANCA MIYAKAWA /Bianca Miyakawa/ 08/01/2018 Signed_inventors#page1.tif Signed_inventors#page2.tif			
NAME OF SUBMITTER SIGNATURE: DATE SIGNED: Total Attachments: 6 source=D15133USP4-2 source=D15133USP4-2 source=D15133USP4-2	R: 20170126- <i>A</i> 20170126- <i>A</i> 20170126- <i>A</i>	Asgmt Asgmt Asgmt	BIANCA MIYAKAWA /Bianca Miyakawa/ 08/01/2018 Signed_inventors#page1.tif			

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ASSIGNMENT

WHEREAS, Joel A. Butler, a resident of Springfield, Missouri, United States of America, herein referred to as ASSIGNOR, is an inventor and owner of US Patent Application No. 62/450,543, filed January 25, 2017, entitled "Multi-Channel Amplifier with Transconductance Stage and Open Load Detector".

WHEREAS, DOLBY LABORATORIES LICENSING CORPORATION, a New York corporation, having a place of business at 1275 Market Street, San Francisco, California 94103, hereinafter referred to as ASSIGNEE(S), 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(S), the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR:

1. ASSIGNOR hereby grants, sells, assigns, transfers and conveys unto ASSIGNEE(S), or to the extent ASSIGNOR has already done so, ASSIGNOR hereby confirms the grant, sale, assignment, transfer and conveyance unto ASSIGNEE(S) 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, continuationin-part of, or is a counterpart of, or is in any way based on, claims priority from, or relates to, said application, invention or improvements thereto;

(b) all priority rights associated with the filing of each and every such application, for each country of The Paris Convention, for the Patent Cooperation Treaty, for the European Patent Convention, for all other treaties of like purposes, and for Taiwan; and

(c) in and to each and every patent on said invention or improvements thereto that may be granted by any country, jurisdiction or authority, including each and every patent that may be granted on any of the applications referred to in sub-section (a), and in and to each and every reissue, reexamination certificate, or extension of each and every such patent.

2. ASSIGNOR hereby warrants, covenants and represents that he/she has not heretofore granted to anyone other than ASSIGNEE(S) 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(S), 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(S) he/she will promptly execute all papers deemed necessary or desirable by ASSIGNEE(S) to perfect ownership of said invention, applications, and patents to ASSIGNEE(S), and execute all oaths, declarations and other papers deemed necessary or desirable by ASSIGNEE(S) for prosecuting said applications and patents, for use in interference proceedings involving said invention, applications and patents, for use in opposition

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PATENT REEL: 046528 FRAME: 0971 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(S), 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(S), he/she will promptly assist ASSIGNEE(S) 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.

The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of 4 ASSIGNEE(S), 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.

1/26/2017

In the presence of:

Signature of Witness (1)

Granth N Shown Hur

Joel A. Butler

In the presence of: Patrick Sperloch (2)

Signature of Witness

PATRICK SPUPLOCK Print Witness's Name

<u>SOY F Harple St Ozick Mo (SZ) 4339 S. TIMBERCREEK APT 95</u> Print Witness's Address BATTLEFIELD MO. 65619

Docket: D15133USP4

ASSIGNMENT

WHEREAS, Luca Revelli, a resident of Larkspur, California, United States of America, herein referred to as ASSIGNOR, is an inventor and owner of US Patent Application No. 62/450,543, filed January 25, 2017, entitled "Multi-Channel Amplifier with Transconductance Stage and Open Load Detector".

WHEREAS, DOLBY LABORATORIES LICENSING CORPORATION, a New York corporation, having a place of business at 1275 Market Street, San Francisco, California 94103, hereinafter referred to as ASSIGNEE(S), 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(S), the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR:

1. ASSIGNOR hereby grants, sells, assigns, transfers and conveys unto ASSIGNEE(S), or to the extent ASSIGNOR has already done so, ASSIGNOR hereby confirms the grant, sale, assignment, transfer and conveyance unto ASSIGNEE(S) of the entire right, title and interest:

(a) in and to said application, invention, and improvements thereto, and each and every additional application filed anywhere in the world, whether or not the country, jurisdiction, or authority of filing is a member of the International Union for the Protection of Industrial Property (The Paris Convention), which additional application is a division of, substitution of, continuation-in-part of, or is a counterpart of, or is in any way based on, claims priority from, or relates to, said application, invention or improvements thereto;

(b) all priority rights associated with the filing of each and every such application, for each country of The Paris Convention, for the Patent Cooperation Treaty, for the European Patent Convention, for all other treaties of like purposes, and for Taiwan; and

(c) in and to each and every patent on said invention or improvements thereto that may be granted by any country, jurisdiction or authority, including each and every patent that may be granted on any of the applications referred to in sub-section (a), and in and to each and every reissue, reexamination certificate, or extension of each and every such patent.

2. ASSIGNOR hereby warrants, covenants and represents that he/she has not heretofore granted to anyone other than ASSIGNEE(S) 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(S), 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(S) he/she will promptly execute all papers deemed necessary or desirable by ASSIGNEE(S) to perfect ownership of said invention, applications, and patents to ASSIGNEE(S), and execute all oaths, declarations and other papers deemed necessary or desirable by ASSIGNEE(S) for prosecuting said applications and patents, for

Docket: D15133USP4

PATENT REEL: 046528 FRAME: 0973 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(S), 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(S), he/she will promptly assist ASSIGNEE(S) in interference, opposition and reexamination proceedings involving said invention, applications and patents, and in litigation involving said invention, applications and patents, and in litigation involving said invention, applications and patents, 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(S), 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 ipstrument.

01-26-2017 Date

In the presence of:

(1)

Signature of Witness

Alnam Norman Witness's Nam

In the presence of:

Luca Revelli

Signature of Witness

BANKA Print Witness's Name

1295 Market St. Jan Francisco, CA 94/08

Docket: D15133USP4

ASSIGNMENT

WHEREAS, Erich Hubert Vogel, a resident of Oakland, California, United States of America, herein referred to as ASSIGNOR, is an inventor and owner of US Patent Application No. 62/450,543, filed January 25, 2017, entitled "Multi-Channel Amplifier with Transconductance Stage and Open Load Detector".

WHEREAS, DOLBY LABORATORIES LICENSING CORPORATION, a New York corporation, having a place of business at 1275 Market Street, San Francisco, California 94103, hereinafter referred to as ASSIGNEE(S), 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(S), the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR:

1. ASSIGNOR hereby grants, sells, assigns, transfers and conveys unto ASSIGNEE(S), or to the extent ASSIGNOR has already done so, ASSIGNOR hereby confirms the grant, sale, assignment, transfer and conveyance unto ASSIGNEE(S) 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, continuationin-part of, or is a counterpart of, or is in any way based on, claims priority from, or relates to, said application, invention or improvements thereto;

(b) all priority rights associated with the filing of each and every such application, for each country of The Paris Convention, for the Patent Cooperation Treaty, for the European Patent Convention, for all other treaties of like purposes, and for Taiwan; and

(c) in and to each and every patent on said invention or improvements thereto that may be granted by any country, jurisdiction or authority, including each and every patent that may be granted on any of the applications referred to in sub-section (a), and in and to each and every reissue, reexamination certificate, or extension of each and every such patent.

2. ASSIGNOR hereby warrants, covenants and represents that he/she has not heretofore granted to anyone other than ASSIGNEE(S) 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(S), 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(S) he/she will promptly execute all papers deemed necessary or desirable by ASSIGNEE(S) to perfect ownership of said invention, applications, and patents to ASSIGNEE(S), and execute all oaths, declarations and other papers deemed necessary or desirable by ASSIGNEE(S) for prosecuting said applications and patents, for

Docket: D15133USP4

PATENT REEL: 046528 FRAME: 0975 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(S), 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(S), he/she will promptly assist ASSIGNEE(S) 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.

The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of 4. ASSIGNEE(S), 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.

Feb 15, 2087 Date

In the presence of: Slance (1)

Daughers A Nadkan

Print Witness's Name

98 Bothin Road, Fair fax CA Print Witness's Address

Erich Hubert Vogel

In the presence of: (2)

Signature of Witness

Tanner Cook

Print Witness's Name

131 Cantral Ave #317 Alameda CA

Docket: D15133USP4

RECORDED: 08/01/2018