505737558 10/23/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5784372

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DIRK JEROEN BREEBAART	05/24/2016
DAVID MATTHEW COOPER	05/24/2016
MARK F. DAVIS	05/24/2016
DAVID S. MCGRATH	05/24/2016
KRISTOFER KJOERLING	05/26/2016
HARALD MUNDT	05/31/2016
RHONDA WILSON	07/14/2016

RECEIVING PARTY DATA

Name:	DOLBY LABORATORIES LICENSING CORPORATION
Street Address:	1275 MARKET STREET
City:	SAN FRANCISCO
State/Country:	CALIFORNIA
Postal Code:	94103-1410
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:	16516121

CORRESPONDENCE DATA

505737558

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: 4155580500

Email: patents@dolby.com

Correspondent Name: DOLBY LABORATORIES, INC.

Address Line 1: 1275 MARKET STREET

REEL: 050805 FRAME: 0045

PATENT

Address Line 4: SAN FRANCISCO, CALIFORNIA 94103-1410	
ATTORNEY DOCKET NUMBER:	D15020US02
NAME OF SUBMITTER:	BIANCA MIYAKAWA
SIGNATURE:	/Bianca Miyakawa/
DATE SIGNED:	10/23/2019

Total Attachments: 14

source=D15020USP1-Assignment_executed_DB-DC-MD-DM-KK-HM-RW#page1.tif source=D15020USP1-Assignment_executed_DB-DC-MD-DM-KK-HM-RW#page2.tif source=D15020USP1-Assignment_executed_DB-DC-MD-DM-KK-HM-RW#page3.tif source=D15020USP1-Assignment_executed_DB-DC-MD-DM-KK-HM-RW#page4.tif source=D15020USP1-Assignment_executed_DB-DC-MD-DM-KK-HM-RW#page5.tif source=D15020USP1-Assignment_executed_DB-DC-MD-DM-KK-HM-RW#page6.tif source=D15020USP1-Assignment_executed_DB-DC-MD-DM-KK-HM-RW#page7.tif source=D15020USP1-Assignment_executed_DB-DC-MD-DM-KK-HM-RW#page8.tif source=D15020USP1-Assignment_executed_DB-DC-MD-DM-KK-HM-RW#page9.tif source=D15020USP1-Assignment_executed_DB-DC-MD-DM-KK-HM-RW#page10.tif source=D15020USP1-Assignment_executed_DB-DC-MD-DM-KK-HM-RW#page11.tif source=D15020USP1-Assignment_executed_DB-DC-MD-DM-KK-HM-RW#page12.tif source=D15020USP1-Assignment_executed_DB-DC-MD-DM-KK-HM-RW#page13.tif source=D15020USP1-Assignment_executed_DB-DC-MD-DM-KK-HM-RW#page13.tif source=D15020USP1-Assignment_executed_DB-DC-MD-DM-KK-HM-RW#page13.tif source=D15020USP1-Assignment_executed_DB-DC-MD-DM-KK-HM-RW#page14.tif

WHEREAS, Breebaart, Dirk Jeroen, a resident of Pyrmont, New South Wales, Australia, herein referred to as ASSIGNOR, is an inventor and owner of United States Patent Application No. 62/256,462, filed November 17, 2015, entitled "Headtracking for Parametric Binaural Output System and Method".

WHEREAS, DOLBY LABORATORIES LICENSING CORPORATION, a New York corporation, having a place of business at 1275 Market Street, San Francisco, California 94103, 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 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 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 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.
- 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.

24-5-2016	- Alexander
Date	Breebaart, Dirk Jeroen
In the presence of:	In the presence of:
Signature of Witness (1)	Signature of Witness (2)
DAVID LOOPER	Beverly Christophe
Print Witness's Name	Print Witness's Name
CARLTON NSW AUSTRALIA	describe was eastell
Print Witness's Address	Print Witness's Address

WHEREAS, Cooper, David Matthew, a resident of Carlton, Australia, herein referred to as ASSIGNOR, is an inventor and owner of United States Patent Application No. 62/256,462, filed November 17, 2015, entitled "Headtracking for Parametric Binaural Output System and Method".

WHEREAS, DOLBY LABORATORIES LICENSING CORPORATION, a New York corporation, having a place of business at 1275 Market Street, San Francisco, California 94103, 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 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;

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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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- 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.

24 MM 2016	ande
Date	Cooper, David Matthew
In the presence of: Signature of Witness (1)	In the presence of: Signature of Witness (2)
Print Witness's Name	Boverly Chattope. Print Witness's Name
Print Witness's Address	Mataule 10510 Avistalia

WHEREAS, Davis, Mark F., a resident of Pacifica, California, United States of America, herein referred to as ASSIGNOR, is an inventor and owner of United States Patent Application No. 62/256,462, filed November 17, 2015, entitled "Headtracking for Parametric Binaural Output System and Method".

WHEREAS, DOLBY LABORATORIES LICENSING CORPORATION, a New York corporation, having a place of business at 1275 Market Street, San Francisco, California 94103, 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 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;

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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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ZY MAN ZOIL Date	Davis, Mark F.
In the presence of: Signature of Witness Louis DE GOL	In the presence of: Signature of Witness (2)
Print Witness's Name	Marrher & Alles Print Witness's Name
1210 Toolumne Bl Print Witness's Address Millbrae, CA 94050	190

WHEREAS, McGrath, David S., a resident of Rose Bay, New South Wales, Australia, herein referred to as ASSIGNOR, is an inventor and owner of United States Patent Application No. 62/256,462, filed November 17, 2015, entitled "Headtracking for Parametric Binaural Output System and Method".

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24 May 2016	McGrath, David S.
In the presence of: M.S. S. M.J. LOA (1)	in the presence of:
Signature of Witness MICHAEZ SMITHERS	Signature of Witness ROWAN KATEKAR
Print Witness's Name KARIEZA, NSW, AUSTRALIA	Print Witness's Name WOOLLOOMOOLOO; NSW, AUSTRANA
Print Witness's Address	Print Witness's Address

WHEREAS, Kjoerling, Kristofer, a resident of Solna, Sweden, herein referred to as ASSIGNOR, is an inventor and owner of United States Patent Application No. 62/256,462, filed November 17, 2015, entitled "Headtracking for Parametric Binaural Output System and Method".

WHEREAS, DOLBY LABORATORIES LICENSING CORPORATION, a New York corporation, having a place of business at 1275 Market Street, San Francisco, California 94103, 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 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;

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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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26th of Hay 2016	Kishle Kithy
Date	Kjoerling, Kristofer — 3
In the presence of: Julia Color Signature of Witness JONAS ROOEN	In the presence of (2) Signature of Witness FRIDA FERGINAN
Print Witness's Name	Print Witness's Name
SOMMARVĀGEN 5, 16931 Solna	BASTUHAGSVÄGEN 49, 12242 BASKEDE
Print Witness's Address	Print Witness's Address SUGDEN

WHEREAS, Mundt, Harald, a resident of Fürth, Germany, herein referred to as ASSIGNOR, is an inventor and owner of United States Patent Application No. 62/256,462, filed November 17, 2015, entitled "Headtracking for Parametric Binaural Output System and Method".

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2016-05-31 Date	Mundt, Harald
In the presence of:	In the presence of:
Signature of Witness	Signature of Witness
Micheel Schag	Robin Thesina
Print Witness's Name	Print Witness's Name
Am Dinkelfeld 31	Baeren schoonz Strasse 68
MIST Erlangen Germany	90420 1/20 L
Print Witness's Address	Print Witness's Address
A [*]	Germany
Docket: D15020USP1	(

WHEREAS, Wilson, Rhonda, a resident of San Francisco, California, United States of America, herein referred to as ASSIGNOR, is an inventor and owner of United States Patent Application No. 62/256,462, filed November 17, 2015, entitled "Headtracking for Parametric Binaural Output System and Method".

WHEREAS, DOLBY LABORATORIES LICENSING CORPORATION, a New York corporation, having a place of business at 1275 Market Street, San Francisco, California 94103, 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 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 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.

- 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 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.
- 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.

JULY 14, 2016	Rhanda J. Wilson
Date	Wilson, Rhonda
In the presence of: Signature of Witness 10 10 10 10 10 10 10	In the presence of:
Louis P Field 21 Print Witness's Name	MARIS & DEVIS Print Witness's Name
1210 Tooleemy Rd, Millosae Print Witness's Address Co, 74030	NIO Manzanita Dr. Pox. Tic CA Print Witness's Address 94044

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RECORDED: 10/23/2019