

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4789286

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
DOPPLER LABS, INC.	12/20/2017

**RECEIVING PARTY DATA**

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

**PROPERTY NUMBERS Total: 34**

Property Type	Number
Patent Number:	9087506
Patent Number:	9131308
Patent Number:	9305568
Patent Number:	9412356
Patent Number:	9420367
Patent Number:	9524731
Patent Number:	9557960
Patent Number:	9560437
Patent Number:	9565491
Patent Number:	9584899
Patent Number:	9589574
Patent Number:	9648436
Patent Number:	9654861
Patent Number:	9678709
Patent Number:	9703524
Patent Number:	9736264
Patent Number:	9747282
Patent Number:	9769553
Patent Number:	D725082
Patent Number:	D733102

PATENT

Property Type	Number
Patent Number:	D772572
Patent Number:	D773032
Patent Number:	D777710
Application Number:	15282860
Application Number:	15339120
Application Number:	15382408
Application Number:	15382475
Application Number:	15383097
Application Number:	15383117
Application Number:	15383134
Application Number:	15469011
Application Number:	15617271
Application Number:	15650561
Application Number:	29569419

**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

<b>ATTORNEY DOCKET NUMBER:</b>	A17027USXX-A17041USXX
<b>NAME OF SUBMITTER:</b>	DANA CHAN
<b>SIGNATURE:</b>	/Dana Chan/
<b>DATE SIGNED:</b>	01/23/2018

**Total Attachments: 12**  
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## PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (this “Patent Assignment”) from Doppler Labs, Inc., a Delaware limited liability company (“Assignor”) to Dolby Laboratories Licensing Corporation, a New York corporation (“Assignee”), is effective as of December 20, 2017.

**WHEREAS**, Assignor and Assignee have entered into an Asset Purchase Agreement, dated as of the date hereof (the “Asset Purchase Agreement”), pursuant to which, among other things, Assignor has agreed to assign to Assignee the Assigned Patents (as defined below).

1. Assigned Patents. The term “Assigned Patents” means the issued patents set forth on Schedule A attached hereto.

2. Assignment. For good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, Assignor hereby irrevocably assigns, transfers, sells and delivers to Assignee all of Assignor’s right, title and interest in and to (i) the Assigned Patents and the inventions and improvements disclosed therein; (ii) all reissues, divisionals, continuations, continuations-in-part, extensions, renewals, reexaminations and foreign counterparts thereof; (iii) all patents and applications which claim priority to or have common priority with any such patents or patent applications; and (iv) all rights corresponding to any of the foregoing throughout the world, including the right to claim priority from any of the Assigned Patents, the right to prosecute and maintain any of the Assigned Patents, and the right to sue, claim remedies and recover damages for past, present and future infringement or other violation or impairment of any of the Assigned Patents, the same to be held and enjoyed by Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor, if this assignment and sale had not been made.

3. Representations and Warranties. Assignor represents and warrants that, as of the date hereof: (i) Assignor owns the Assigned Patents; (ii) Assignor has the power and authority to execute this Patent Assignment; (iii) Assignor has not entered into any agreement that conflicts with the terms of this Patent Assignment.

4. Further Assurances. Assignor agrees that Assignee shall have the right to file or record this Patent Assignment with the United States Patent and Trademark Office or other such entities throughout the world, and Assignor authorizes and requests the relevant authorities to record Assignee as the assignee and owner of the Assigned Patents. Assignor shall execute and deliver to Assignee such documents and take such actions as requested by Assignee to register, evidence or perfect Assignee’s rights under this Patent Assignment. In addition, Assignor hereby irrevocably designates and appoints Assignee and its duly authorized officers and agents as its agents and attorneys in fact, to act for and on their behalf and stead to execute and file any such documents and to do all other lawfully permitted acts to register, evidence or perfect Assignee’s rights under this Patent Assignment with the same legal force and effect as if executed by Assignor. This includes, but is not limited to, the power to insert on this Patent Assignment any further identification that may be necessary to comply with the rules of the United States Patent and Trademark Office, or rules of other entities throughout the world, for recordation of this document.

5. Governing Law. This Patent Assignment shall be governed by and construed in accordance with the laws of the State of Delaware, without giving effect to principles of conflicts of laws that would require the application of the laws of any other jurisdiction. Any action or proceeding arising out of this Patent Assignment shall be brought and maintained exclusively in the courts of the State of California located in the City of San Francisco or in the United States District Court for the Northern District of California. The parties irrevocably submit to the jurisdiction of the courts of the State of California located in the City of San Francisco and the United States District Court for the Northern District of California and appellate courts from any thereof for the purpose of any action or proceeding based hereon or arising out of this Patent Assignment and irrevocably agrees to be bound by any judgment rendered thereby in connection with such action or proceedings.

[The remainder of this page is intentionally left blank.]

IN WITNESS WHEREOF, Assignor has caused this Patent Assignment to be executed as of the date first written above by its duly authorized officer

Doppler Labs, Inc. ("Assignor")

By: [Signature]

Name: Dmitry Gritskevich

Title: Director of Business Operations and Finance

Dolby Laboratories Licensing Corporation ("Assignee")

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

**ACKNOWLEDGMENT**

State of California )  
 ) ss:  
County of San Francisco )

On this 20<sup>th</sup> day of December, <sup>2017</sup> before me, the undersigned, personally appeared Dmitry Gritskevich, personally known to me or proved to me on the basis of satisfactory evidence to be the person who executed this instrument on behalf of the corporation named herein, and acknowledged that s/he executed it in such representative capacity.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal.

[Signature]

Notary Public

My Commission Expires on February 20, 2020



IN WITNESS WHEREOF, Assignor has caused this Patent Assignment to be executed as of the date first written above by its duly authorized officer

Doppler Labs, Inc. ("Assignor")

By: \_\_\_\_\_

Name: Noah Kraft

Title: Chief Executive Officer

Dolby Laboratories Licensing Corporation ("Assignee")

By: \_\_\_\_\_

Name: Andy Sherman

Title: EVP, General Counsel  
and Corporate Secretary

ACKNOWLEDGMENT

State of \_\_\_\_\_ )

) ss:

County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, before me, the undersigned, personally appeared \_\_\_\_\_, personally known to me or proved to me on the basis of satisfactory evidence to be the person who executed this instrument on behalf of the corporation named herein, and acknowledged that s/he executed it in such representative capacity.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal.

\_\_\_\_\_  
Notary Public

My Commission Expires on \_\_\_\_\_

**SCHEDULE A  
ASSIGNED PATENTS**

Title	Application Number/ Patent Number	Filing Date	Issue Date	Inventor(s)	Owner/ Assignee	Status
DUBS Af Ear Bud (Grill and Outer Section)	D733102	03/18/14	06/30/15	Nils Jacob Palmborg; Richard Fritz Lanman, III; Noah Kraft	Doppler Labs, Inc.	In Force
DUBS Af Ear Bud (Outer Section, No Grill)	D725082	03/18/14	03/25/15	Nils Jacob Palmborg; Richard Fritz Lanman, III; Noah Kraft	Doppler Labs, Inc.	In Force
Dubs Design (Coachella)	D773,032	12/15/14	11/29/17	Nils Jacob Palmborg; Andrew Everett McIntyre; James Dexter Tickle; Chris Caronna	Doppler Labs, Inc.	In Force
Here	D777,710	07/21/15	01/31/17	Jacob Palmborg; Andrew McIntyre	Doppler Labs, Inc.	In Force
Here	522019	10/15/15	01/14/16			In Force

**PATENT**

**REEL: 044703 FRAME: 0481**

[SCHEDULE A TO PATENT ASSIGNMENT]

A-1

Title	Application Number/ Patent Number	Filing Date	Issue Date	Inventor(s)	Owner/ Assignee	Status
Here Case	D772572	07/21/15	11/29/16	Jacob Palmborg; Andrew McIntyre	Doppler Labs, Inc.	In Force
Here Case	522018	10/15/15	12/22/15			In Force
Here One Bud Design	29/569419	06/27/16	n/a			Pending
Here One Bud Design	201630628384.1	12/19/16	n/a			Allowed
Passive Audio Ear Filters With Multiple Filter Elements	9131308	01/21/15	09/08/15	Noah Kraft; Richard Fritz Lanman; Dan Wiggins; Jonathan Oswaks; Nils Jacob Palmborg	Doppler Labs, Inc.	In Force
Active Acoustic Filter With Location-Based Filter Characteristics	9524731	04/08/15	12/20/16	Noah Kraft; Richard Fritz Lanman, III; Dan Wiggins	Doppler Labs, Inc.	In Force
Active Acoustic Filter With Socially Determined Location-Based Filter Characteristics	9305568	11/04/15	04/05/16	Noah Kraft; Richard Fritz Lanman, III; Dan Wiggins	Doppler Labs, Inc.	In Force

PATENT

REEL: 044703 FRAME: 0482



Title	Application Number/ Patent Number	Filing Date	Issue Date	Inventor(s)	Owner/ Assignee	Status
Active Acoustic Filter With Location-Based Filter Characteristics	15/339120	10/31/16	n/a	Noah Kraft; Richard Fritz Lanman, III; Daniel C. Wiggins	Doppler Labs, Inc.	Pending
Passive Acoustical Filters Incorporating Inserts That Reduce The Speed Of Sound	9087506	01/21/15	07/21/15	Noah Kraft; Richard Fritz Lanman, III; Daniel C. Wiggins; Jonathan Oswaks; Nils Jacob Palmborg	Doppler Labs, Inc.	In Force
Passive Acoustical Filters With Filled Expansion Chamber	9420367	07/08/15	08/16/16	Dan Wiggins; Jonathan Oswaks	Doppler Labs, Inc.	In Force
Apparatus And Method For Non-Occluded Active Noise Shaping	9412356	02/08/16	08/09/16	Jeff Baker; Dan Wiggins; Anthony Parks; Thomas Ezekiel Burgess; Matthew Fumio Yamamoto; Sal Garcia; Chris Caronna; James Dexter Tickle	Doppler Labs, Inc.	In Force
Real-Time Audio Processing Of Ambient Sound	9565491	06/01/15	02/07/17	Jeff Baker; Anthony Parks; Sal Greg Garcia; Thomas Ezekiel Burgess; Matthew Fumio Yamamoto;	Doppler Labs, Inc.	In Force

PATENT

REEL: 044703 FRAME: 0483

Title	Application Number/Patent Number	Filing Date	Issue Date	Inventor(s)	Owner/Assignee	Status
Real-Time Audio Processing Of Ambient Sound	15/383134	12/19/16	n/a	Nils Jacob Palmborg; Noah Kraft; Richard Fritz Lanman, III; Daniel C. Wiggins Jeffrey Baker; Anthony Parks; Sal Gregory Garcia; Thomas Ezekiel Burgess; Matthew Fumio Yamamoto; Nils Jacob Palmborg; Noah Kraft; Richard Fritz Lanman, III; Daniel C. Wiggins	Doppler Labs, Inc.	Pending
Active Acoustic Filter With Automatic Selection Of Filter Parameters Based On Ambient Sound	9557960	08/05/15	01/31/17	Noah Kraft; Richard Fritz Lanman, III; Daniel C. Wiggins; Jeff Baker	Doppler Labs, Inc.	In Force
Active Acoustic Filter With Automatic Selection Of Filter Parameters Based On Ambient Sound	15/382408	12/16/16	n/a	Noah Kraft; Richard Fritz Lanman, III; Daniel C. Wiggins; Jeffrey Baker	Doppler Labs, Inc.	Pending
Augmented Reality Sound System	9648436	09/01/15	05/09/17	Noah Kraft; Richard Fritz Lanman, III; Jeff Baker; Gints	Doppler Labs, Inc.	In Force

Title	Application Number/ Patent Number	Filing Date	Issue Date	Inventor(s)	Owner/ Assignee	Status
Real-Time Combination Of Ambient Audio And A Secondary Audio Source	14/842594	09/01/15	n/a	Klimanis; Anthony Parks; Daniel C. Wiggins	Doppler Labs, Inc.	Allowed
Time Heuristic Audio Control	9560437	10/30/15	01/31/17	Noah Kraft; Richard Fritz Lanman, III; Jeff Baker	Doppler Labs, Inc.	In Force
Time Heuristic Audio Control	15/382475	12/16/16	n/a	Matthew J. Jaffe; Noah Kraft; Richard Fritz Lanman, III; Jeffrey Baker	Doppler Labs, Inc.	Pending
Annoyance Noise Suppression - Voice Detection	9589574	11/13/15	03/07/17	Gints Klimanis; Anthony Parks	Doppler Labs, Inc.	In Force
Annoyance Noise Suppression	15/383097	12/19/16	n/a	Gints Klimanis; Anthony Parks	Doppler Labs, Inc.	Pending

Title	Application Number/ Patent Number	Filing Date	Issue Date	Inventor(s)	Owner/ Assignee	Status
Annoyance Noise Suppression - Class Storage	14/941463	11/13/15	n/a	Gintis Klimanis; Anthony Parks; Jeff Baker	Doppler Labs, Inc.	Pending
Annoyance Noise Suppression - Class Storage	15/469011	03/24/17	n/a	Gintis Klimanis; Anthony Parks; Jeff Baker	Doppler Labs, Inc.	Pending
Processing Sound Using Collective Feedforward	14/952761	11/25/15	n/a	Richard Fritz Lanman, III; Noah Kraft; Matthew J. Jaffe, III; Gintis Klimanis; Jeff Baker	Doppler Labs, Inc.	Allowed
Adaptive Filtering With Machine Learning	15/007044	01/26/16	n/a	Richard Fritz Lanman, III; Noah Kraft; Matthew J. Jaffe; Gintis Klimanis; Jeff Baker	Doppler Labs, Inc.	Allowed
Privacy Collection In Collective Feedforward	14/997320	01/15/16	n/a	Gintis Klimanis; Noah Kraft; Matthew J. Jaffe; Richard Fritz Lanman, III; Jeff Baker	Doppler Labs, Inc.	Allowed
Privacy Collection In Collective Feedforward	15/617271	06/08/17	n/a	Gintis Klimanis; Noah Kraft; Matthew J. Jaffe; Richard Fritz	Doppler Labs, Inc.	Pending

PATENT

REEL: 044703 FRAME: 0486

Title	Application Number/ Patent Number	Filing Date	Issue Date	Inventor(s)	Owner/ Assignee	Status
Personal Audio System Usingprocess Parameters Learned From User Feedback	15/008704	01/28/16	n/a	Noah Kraft; Richard Fritz Lanman, III; Daniel Wiggins; Jeff Baker	Doppler Labs, Inc.	Allowed
Sharing Customized Audio Parameters	9584899	02/24/16	02/28/17	Gints Klimanis; Noah Kraft; Matthew J. Jaffe; Richard Fritz Lanman, III; Jeff Baker	Doppler Labs, Inc.	In Force
Sharing Customized Audio Parameters	15/383117	12/19/16	n/a	Gints Klimanis; Noah Kraft; Matthew J. Jaffe; Richard Fritz Lanman, III; Jeffrey Baker	Doppler Labs, Inc.	Pending
Translation With Conversational Overlap	15/277897	09/27/16	n/a	Jeffrey Baker; Sal Gregory Garcia; Paul Anthony Long	Doppler Labs, Inc.	Allowed
Translation With Conversational Overlap	15/650561	07/14/17	n/a			Pending

PATENT

REEL: 044703 FRAME: 0487

Title	Application Number/ Patent Number	Filing Date	Issue Date	Inventor(s)	Owner/ Assignee	Status
Cahoe	15/282860	09/30/16	n/a			Allowed

PATENT

REEL: 044703 FRAME: 0488

RECORDED: 01/23/2018