PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4403545

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| ROLAND BIRD | 03/16/2017 |
| NIELS VAN HOOF | 03/16/2017 |
| ROGER SWALES | 03/16/2017 |
| MIEKO KUSANO | 03/15/2017 |
| TADEO T. TOULIS | 04/04/2017 |

RECEIVING PARTY DATA

| Name: | SONOS, INC. |
|-----------------|--------------------|
| Street Address: | 614 CHAPALA STREET |
| City: | SANTA BARBARA |
| State/Country: | CALIFORNIA |
| Postal Code: | 93101 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 29499304 |

CORRESPONDENCE DATA

(949)852-0004 Fax Number:

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: 9498520000 Email: pair@kppb.com **KPPB LLP Correspondent Name:**

Address Line 1: 2400 E. KATELLA AVENUE

Address Line 2: **SUITE 1050**

Address Line 4: ANAHEIM, CALIFORNIA 92806

ATTORNEY DOCKET NUMBER: S51-04120 **MELISSA YEE** NAME OF SUBMITTER: **SIGNATURE:** /Melissa Yee/ **DATE SIGNED:** 05/08/2017

Total Attachments: 6

| RECORDATION FORM COVER SHEET PATENTS ONLY | |
|--|--|
| To the Director of the U.S. Patent and Trademark Office: Pleas | se record the attached documents or the new address(es) below. |
| 1. Name of conveying party(ies) | 2. Name and address of receiving party(ies) |
| Roland Bird; Niels van Hoof; Roger Swales; Mieko Kusano; | Name: Sonos, Inc. |
| Tadeo T. Toulis | Internal Address: |
| Additional name(s) of conveying party(ies) attached? Yes X No. 3. Nature of conveyance/Execution Date(s): March 16, 2017; March 16, 2017; March 16, 2017; Execution Date(s) March 15, 2017; April 4, 2017 | Street Address: 614 Chapala Street |
| X Assignment Merger | |
| Security Agreement Change of Name | City: Santa Barbara |
| Joint Research Agreement | State: CA |
| Government Interest Assignment | Country: US Zip:93101 |
| Executive Order 9424, Confirmatory License | |
| Other | Additional name(s) & address(es) attached? Yes X No |
| | document serves as an Oath/Declaration (37 CFR 1.63). |
| A. Patent Application No.(s) | B. Patent No.(s) |
| 29/499,304 | |
| Additional numbers at | tached? Yes No |
| Name and address to whom correspondence concerning document should be mailed: | 6. Total number of applications and patents involved: 1 |
| Name:KPPB LLP | 7. Total fee (37 CFR 1.21(h) & 3.41) \$ |
| Internal Address: Suite 1050 | |
| | Authorized to be charged to deposit account |
| Street Address:2400 E. Katella Avenue | Enclosed |
| | None required (government interest not affecting title) |
| City: Anaheim | 8. Payment Information |
| State; CA Zip; 92806 | |
| Phone Number: 949.852.0000 | 1 |
| Docket Number: 04120/14-0403 | Deposit Account Number |
| | |
| Email Address: pair@kppb.com | Authorized User Name |
| 9. Signature: | |
| 9. Signature: //Brian K. Sung/ Signature | Authorized User Name |
| 9. Signature: /Brian K. Sung/ Signature | 5/8/17 Date Total number of pages including cover |
| 9. Signature: /Brian K. Sung/ Signature Brian K. Sung Name of Person Signing | 5/8/17 Date |

ASSIGNMENT

WHEREAS, WE, Roland Bird, Niels van Hoof, Roger Swales, Mieko Kusanc, and Tadeo T. Toulis, have made certain new and useful inventions and improvements for which an application for Letters Patent of the United States entitled Playback Device, filed August 13, 2014 and having been assigned Application No. 29/499,304;

WHEREAS, Sonos, Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 614 Chapala Street, Santa Barbara, California 93101 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said. Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more

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effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

IN WITNESS WHEREOF, I have hereunto set my hand this 16 day of ~~ 2017

Roland Bird

614 Chapala Street

Santa Barbara, CA 93101

WITNESS:

Print name this

| IN WITNESS WHEREOF, I have hereunto set | my hand this 16_ da | ay of <u>Maleh</u> . | 2017 |
|---|---|----------------------|---------------|
| | Niels van Hoof 614 Chapala Street Santa Barbara, CA S | 93101 | |
| WITNESS: HUNGOLO | | | |
| Print name HANNE-NOVIZE SUALO | | | |
| ************************************** | *** | | |
| IN WITNESS WHEREOF, I have hereunto set i | my havid this da | | 20 <u>/</u> 7 |
| WITNESS: Mana Cucla. Print name Hune Nana Sucles | | | |

| IN WITNESS WHEREOF, I have hereunto se | t my hand this 15 day of 120ch | 20 <i>4</i> |
|---|--|-------------|
| WITNESS CONCE | Mieko Kusano 3722 Cedar Vista Santa Barbara, CA 93110 | |
| ** | **** | |
| IN WITNESS WHEREOF, I have hereunto set | my hand this day of | .20 |
| | Tadeo T. Toulis 614 Chapala Street Santa Barbara, CA 93101 | |
| WITNESS: | | |
| Print name | | |
| ** | **** | |

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| IN WITNESS WHEREOF, I have hereun | to set my hand this day of, 20_ |
|-----------------------------------|---|
| | |
| | |
| | Mieko Kusano 3722 Cedar Vista Santa Barbara, CA 93110 |
| WITNESS: | |
| Print name | x ; |
| | 秀欢爱欢文亦文 |
| IN WITNESS WHEREOF, I have hereum | to set my hand this <u>4</u> day of <u>APPIL</u> , 20_ |
| | Tageo T. Toulis 614 Chapala Street |
| | Santa Barbara, CA 93101 |
| WITNESS: | · |
| Print name | e ^r |
| | ***** |

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