

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Timothy Sheen</td> <td>07/23/2012</td> </tr> <tr> <td>Anath Jasty</td> <td>11/01/2012</td> </tr> <tr> <td>Aurelio Ramos</td> <td>07/23/2012</td> </tr> </tbody> </table>		Name	Execution Date	Timothy Sheen	07/23/2012	Anath Jasty	11/01/2012	Aurelio Ramos	07/23/2012
Name	Execution Date								
Timothy Sheen	07/23/2012								
Anath Jasty	11/01/2012								
Aurelio Ramos	07/23/2012								
RECEIVING PARTY DATA									
Name:	Sonos, Inc.								
Street Address:	223 East De La Guerra Street								
City:	Santa Barbara								
State/Country:	CALIFORNIA								
Postal Code:	93101								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13536493</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13536493				
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Application Number:	13536493								
CORRESPONDENCE DATA									
Fax Number:	3129130003								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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Address Line 4:	Chicago, ILLINOIS 60606								
ATTORNEY DOCKET NUMBER:	12-0601 (MBHB 12-687)								
NAME OF SUBMITTER:	Yean-Nian W. Chen								
<p>Total Attachments: 4</p> <p>source=12-0601_12-687_Assignment#page1.tif</p> <p>source=12-0601_12-687_Assignment#page2.tif</p> <p>source=12-0601_12-687_Assignment#page3.tif</p> <p>source=12-0601_12-687_Assignment#page4.tif</p>									

CH \$40.00 13536493

## ASSIGNMENT

Serial No: 13/536,493

Filed: June 28, 2012

Title: System and Method for Device Playback Calibration

For good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to Sonos, Inc., a corporation of the State of Delaware, having a principal place of business at 223 East De La Guerra Street, Santa Barbara, CA 93101, (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee


The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the execution date and/or filing date and serial number of said application when officially known.

The undersigned warrants himself to be the owner of the interest herein assigned and to have the right to make this assignment and further warrants that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned.

For said consideration the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agrees upon the request of said assignee, its successors or assigns, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by said assignee, its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.


**Inventor 1:**

WITNESS my hand this 23rd day of July, 2012.

  
Timothy Sheen

Witnessed by:  Date: 23 Jul 2012

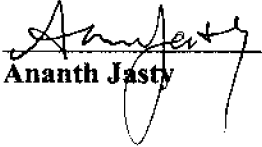
Lee Chauncey-Allen  
Printed Name of Witness

Witnessed by:  Date: 7/23/2012

ANDREJ SARKIC  
Printed Name of Witness

**Inventor 2:**

WITNESS my hand this 1<sup>st</sup> day of November, 2012.

  
\_\_\_\_\_  
**Ananth Jasty**

Witnessed by: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
Printed Name of Witness

Witnessed by: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
Printed Name of Witness


**Inventor 3:**

WITNESS my hand this 23 day of July, 2012.

  
Aurelio Ramos

Witnessed by:  Date: 23 Jul 2012

Lee Chauncey Allen  
Printed Name of Witness

Witnessed by:  Date: 7/23/2012

ANDREE SATIC  
Printed Name of Witness