504538456 09/08/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4585163

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROBERT A. WARDEN	06/27/2017
RICHARD J. CARBONE	06/27/2017
JEANETTE NUMBERS	07/08/2017
SEUNGHYUK NOH	07/10/2017
RANCE PRICHARD	07/10/2017

RECEIVING PARTY DATA

Name:	Bose Corporation
Street Address:	The Mountain, MS 3B1
City:	Framingham
State/Country:	MASSACHUSETTS
Postal Code:	01701

PROPERTY NUMBERS Total: 1

Property Type	Number				
Application Number:	29597171				

CORRESPONDENCE DATA

Fax Number: (508)766-6971

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: 508-766-6016
Email: docket@bose.com
Correspondent Name: BOSE CORPORATION
Address Line 1: THE MOUNTAIN, MS 3B1

Address Line 2: IP LEGAL - PATENT SUPPORT

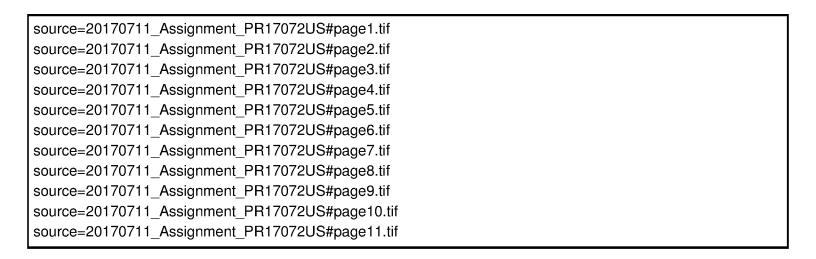
Address Line 4: FRAMINGHAM, MASSACHUSETTS 01701

ATTORNEY DOCKET NUMBER:	PR-17-072-US
NAME OF SUBMITTER:	GENEVIEVE MERRY
SIGNATURE:	/Genevieve Merry/
DATE SIGNED:	09/08/2017

Total Attachments: 11

PATENT REEL: 043529 FRAME: 0959

504538456



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ASSIGNMENT

For valuable consideration, the receipt and sufficiency of which is acknowledged, we, the below named inventors, (hereinafter referred to as Assignors), hereby assign to Bose Corporation, a corporation of Delaware, having a place of business at The Mountain, Framingham, MA 01701-9168, United States of America, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements which are described in or the subject of an application for United States Patent signed by Assignors entitled:

Speaker

which is identified by Bose Corporation Docket No. **PR-17-072-US** for which Assignors filed an application of United States Letters Patent on **March 15, 2017** assigned Application Serial No. **29597171** (hereinafter the "Application").

This assignment includes: (i) the Application; (ii) continuation, divisional and other United States applications which claim priority to the Application; (iii) all foreign and international applications which claim priority to the Application; (iv) any and all United States and foreign patents, utility models, inventors' certificates, and design registrations granted for any of the inventions or improvements disclosed in or the subject of the Application, and (v) the right to claim priority based on the filling date of the Application under the United States Code, the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other statutes or treaties of like purposes.

Assignors authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, design registrations, inventors' certificates and like rights of exclusion for any inventions or improvements which are disclosed in or the subject of the Application. Assignors agree for themselves and their respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, preliminary statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Assignors covenant that they have the full right to convey the interests assigned by this

Page 2 of 6

Assignment, and that they have not executed and will not execute any agreement in conflict with this Assignment. Assignors further agree that they will, without further consideration: (i) promptly disclose to Assignee's patent attorney any prior art known to Assignors during the pendency of the Application or other US or foreign related applications; (ii) testify in any legal or administrative proceeding and participate in any examiner interview relating to the inventions or improvements described in or subject of the Application; and (iii) provide reasonable assistance to the Assignee to obtain and enforce proper patent protection for the inventions and improvements described in or subject of the Application.

This assignment and all disputes under this assignment shall be governed by the laws of the Commonwealth of Massachusetts. Any and all claims, lawsuits, or disputes of any kind between Assignors and Assignee shall be resolved in federal or state courts in the Commonwealth of Massachusetts.

In testimony whereof, we have hereunto set our hands.

Page 3 of 6

In whteeless whereof, I hereto	set my hand and seal
	L.12 · 1017
Robert A. Warden	<u> </u>
Certificate of Notarization: Commonwealth of Massachusetts, County: 1000 27 2017 On this date, before me, the undersigned notary	
Robert A. Warden, proved to me through satisfidentity, which was/were	factory evidence of
Lown to me	, to be the person
whose name was signed above, and who swore of the document are truthful and accurate to the	or affirmed to me that the contents best of his/her knowledge and
belief, and that he/she signed it voluntarily for its	KIMBERLY ANN BILL STATION NOT
(signaturé of potary) My commission expires/ _{x5} // *	Seaf 28 783 63 A
In witness whereof, I hereto s	set my hand and seal () マー い (date)
Richard J. Carbone	(date)
Certificate of Notarization	***************************************
Commonwealth of Màs≲achusetts, County: M;ddlesc⊀	w.
Date: 150ne az 2017	
On this date, before me, the undersigned notary Richard J. Carbone , proved to me through satis identity, which was/were	
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whose name was signed above, and who swore of the document are truthful and accurate to the	
belief, and that he/she signed it voluntarily for its	stated purposekimberly ann mcGrath Notory Public Commonwealthor massachusetts
(signature of notary)	My Commission Expires January 25, 2019
My commission expires //25/19	(seal of notary)

Page 4 of 6

In witness whereof, I here	eto set my hand and seal
Jeanette Numbers	(date)
Certificate of Notarization: Commonwealth of Massachusetts, County: Date:	
On this date, before me, the undersigned not Jeanette Numbers, proved to me through sa identity, which was/were	
whose name was signed above, and who sw of the document are truthful and accurate to t belief, and that he/she signed it voluntarily for	the best of his/her knowledge and
(signature of notary)	······································
My commission expires	(seal of notary)
In witness whereof, I here	to set my hand and seal
Seunghyuk Noh	(date)
Certificate of Notarization: Commonwealth of Massachusetts, County:	
Date: On this date, before me, the undersigned not Seunghyuk Noh, proved to me through satis identity, which was/were	
whose name was signed above, and who swo of the document are truthful and accurate to t belief, and that he/she signed it voluntarily for	he best of his/her knowledge and
(signature of notary)	
My commission expires	(seal of notary)

Docket No.: PR-17-072-US Page 5 of 6

In witness whereof, I he	ereto set my hand and seal
Rance Prichard	(date)
Certificate of Notarization: Commonwealth of Massachusetts, County:	***************************************
Date: On this date, before me, the undersigned re Rance Prichard, proved to me through sale identity, which was/were	
whose name was signed above, and who so of the document are truthful and accurate to	
belief, and that he/she signed it voluntarily (signature of notary)	
My commission expires	(seal of notary)

Page 1 of 6

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For valuable consideration, the receipt and sufficiency of which is acknowledged, we, the below named inventors, (hereinafter referred to as Assignors), hereby assign to Bose Corporation, a corporation of Delaware, having a place of business at The Mountain, Framingham, MA 01701-9168, United States of America, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements which are described in or the subject of an application for United States Patent signed by Assignors entitled:

Speaker

which is identified by Bose Corporation Docket No. PR-17-072-US for which Assignors filed an application of United States Letters Patent on March 15, 2017 assigned Application Serial No. 29597171 (hereinafter the "Application").

This assignment includes: (i) the Application; (ii) continuation, divisional and other United States applications which claim priority to the Application; (iii) all foreign and international applications which claim priority to the Application; (iv) any and all United States and foreign patents, utility models, inventors' certificates, and design registrations granted for any of the inventions or improvements disclosed in or the subject of the Application, and (v) the right to claim priority based on the filing date of the Application under the United States Code, the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other statutes or treaties of like purposes.

Assignors authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, design registrations, inventors' certificates and like rights of exclusion for any inventions or improvements which are disclosed in or the subject of the Application. Assignors agree for themselves and their respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, preliminary statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Assignors covenant that they have the full right to convey the interests assigned by this

Page 2 of 6

Assignment, and that they have not executed and will not execute any agreement in conflict with this Assignment. Assignors further agree that they will, without further consideration: (i) promptly disclose to Assignee's patent attorney any prior art known to Assignors during the pendency of the Application or other US or foreign related applications; (ii) testify in any legal or administrative proceeding and participate in any examiner interview relating to the inventions or improvements described in or subject of the Application; and (iii) provide reasonable assistance to the Assignee to obtain and enforce proper patent protection for the inventions and improvements described in or subject of the Application.

This assignment and all disputes under this assignment shall be governed by the laws of the Commonwealth of Massachusetts. Any and all claims, lawsuits, or disputes of any kind between Assignors and Assignee shall be resolved in federal or state courts in the Commonwealth of Massachusetts.

In testimony whereof, we have hereunto set our hands.

Docket No.: PR-17-072-US Page 3 of 6

	set my hand and seal
	A.
Robert A. Warden	(date)
<u>Certificate of Notarization:</u> Commonwealth of Massachusetts, County:	
Date: On this date, before me, the undersigned notal Robert A. Warden, proved to me through satis identity, which was/were	ry public, personally appeared stactory evidence of
	, to be the person
whose name was signed above, and who swor of the document are truthful and accurate to the belief, and that he/she signed it voluntarily for it	e or affirmed to me that the contents e best of his/her knowledge and
(signature of notary)	•
My commission expires	(seal of notary)

In witness whereof, I hereto	set my hand and seal
In witness whereof, I hereto	set my hand and seal
In witness whereof, I hereto Richard J. Carbone	set my hand and seal (date)
Richard J. Carbone	
Richard J. Carbone Certificate of Notarization: Commonwealth of Massachusetts,	
Richard J. Carbone Certificate of Notarization: Commonwealth of Massachusetts, County:	
Richard J. Carbone Certificate of Notarization: Commonwealth of Massachusetts, County: Date:	(date)
Richard J. Carbone Certificate of Notarization: Commonwealth of Massachusetts, County:	(date)
Richard J. Carbone Certificate of Notarization: Commonwealth of Massachusetts, County: Date: On this date, before me, the undersigned notary Richard J. Carbone, proved to me through sati	(date) public, personally appeared sfactory evidence of
Richard J. Carbone Certificate of Notarization: Commonwealth of Massachusetts, County: Date: On this date, before me, the undersigned notary Richard J. Carbone, proved to me through sati	(date) public, personally appeared sfactory evidence of to be the person or affirmed to me that the contents best of his/her knowledge and
Richard J. Carbone Certificate of Notarization: Commonwealth of Massachusetts, County: Date: On this date, before me, the undersigned notary Richard J. Carbone, proved to me through satiidentity, which was/were whose name was signed above, and who swore of the document are truthful and accurate to the	(date) public, personally appeared sfactory evidence of to be the person or affirmed to me that the contents best of his/her knowledge and

Docket No.: PR-17-072-US Page 4 of 6

In witness whereof, I hereto	set my hand and seal
	7/8/17
Jeanette Numbers	(date)
10.00	,
Certificate of Notarization: Commonwealth of Massachusetts, STATE	DE PHARTICIANO
County: 17201/106/106	The British Walker
Date: 07/08/2017	
On this date, before me, the undersigned notar	y public, personally appeared
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DARYC DAYLAN	, to be the person
whose name was signed above, and who swon of the document are truthful and accurate to the	e or affirmed to me that the contents
belief, and that he site signed it voluntarily for it	s stated purpose.
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(signature of Motary) My commission expires クリルクタク	
My commission expires 97/10/202	(seal of notary)
warming and the second of the	
In witaess whereof, I hereto	
	1/10/19
Seunghyuk Noh	(date)
Gertificate of Notarization:	0, 1, 1, 1
	Rhode Island .
County: //ou/log/fc/ Date: 7/////	
On this date, before me, the undersigned notary	nublic neganally annoused
 Seunghyuk Noh, proved to me through satisfact 	story evidence of
identity, which was/were	in a state of the
LI George	, to be the person
whose name was signed above, and who swore	Or affirmed to me that the contents
of the document are truthful and accurate to the	best of his/her knowledge and
belief, and that he/she/signed it/voluntarily for its	stated purpose.
(signature of notary)	
My commission expires / 8-17-20/9	(seal of notary)
g	

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Page 5 of 6

In witness whereof, I hereto	set my hand ar	nd seal
12 C	07/10	217
Rance Prichard	(date)	
Certificate of Notarization: Genmonwealth of Massachusetts, STATE County: Provide CE Date: OZ/O/12 On this date, before me, the undersigned notary Rance Prichard, proved to me through satisfact	public, person	
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27 License	, to be the p	erson
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(signature of notary)		
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Date: 7///2017

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Assignee Acceptance

Β	lose	Co	rporatio	n, the	Assig	nee,	hereby	acknowle	dges	and	accepts	the	forego	ing
	22.0													

assignment.

Signature:

RECORDED: 09/08/2017

Name: Stephen L. Romine

Title: Chief Intellectual Property Counsel

PATENT

REEL: 043529 FRAME: 0971