504667810 12/01/2017 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4714532

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
JEFFERY R VAUTIN		01/29/2015
EDUARDO T SALVADOR		01/29/2015
RYO MAIGUMA		02/04/2015
TOBE Z BARKSDALE		01/23/2015
DOUGLAS J HOLMI		01/22/2015
CHARLES OSWALD		02/13/2015
ZUKUI SONG		01/20/2015
SHIUFUN CHEUNG		01/20/2015

MICHAEL S DUBLIN

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:	15829407

CORRESPONDENCE DATA

Fax Number:	(508)	766-6971
		e-mail address first; if that is unsuccessful, it will be sent nat is unsuccessful, it will be sent via US Mail.
Phone:	508-7	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: A-12-029-US2		A-12-029-US2
NAME OF SUBMITTER:	SHELLEY ROSSMAN	

504667810

PATENT REEL: 044277 FRAME: 0653

01/24/2015

SIGNATURE:	/SHELLEY ROSSMAN/	
DATE SIGNED:	12/01/2017	
Total Attachments: 16		
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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:

Managing Telephony and Entertainment Audio in a Vehicle Audio Platform

which is identified by Bose Corporation Docket No. A-12-029-US for which Assignors filed an application of United States Letters Patent on March 6, 2014 assigned Application Serial No. 14/199,799 (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 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 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.

In witness whereof, I	hereto set my hand and seal
Jeffery R. Vautin	<u>\/29/\5</u>
Jeftery R. Vautin	(date)
Certificate of Notarization:	
Commonwealth of Massachusetts, County: <u>Middlace</u>	
Date: 29 January 2015	
On this date, before me, the undersigne Jeffery R. Vautin, proved to me through identity, which was/were	d notary public, personally appeared n satisfactory evidence of
your nally prown to me	, to be the person o swore or affirmed to me that the contents
whose name was signed above, and wh of the document are truthful and accurat	o swore or affirmed to me that the contents
belief, and that/he/she signed it voluntar	ily for its stated purpose. C GENEVIEVE W JINSON
(signature of notary) / /	Motory Public COMMONWEALTH OF MASSACHISETIS My Commission Excite
(signature of notary) My commission expires <u>4/1/2011</u>	Sear Or Hotally
In witness whereof, I Eduardo T. Salvador	hereto set my hand and seal $\frac{1/29/2015}{(date)}$
Certificate of Notarization:	
Commonwealth of Massachusetts, County: <u>Middluap</u>	
Date: <u>29 Minuary 2015</u> On this date, before me, the undersigned	notary public, personally appeared
Eduardo T. Salvador, proved to me thro identity, which was/were	ugh satisfactory evidence of
yoursmally known to mp	, to be the person
whose name was signed above, and who of the document are truthful and accurate	swore or affirmed to me that the contents
belief, and that he/she signed it voluntaril	y for its stated purpose
(Signature of notary)	My Commission Explies
My commission expires 4/1/2015	(seal of notary)

Docket No.: A-12-029-US Page 4 of 7

In witness whereof, I h	nereto set my hand and seal
Ryo Malguma	(date)
Certificate of Notarization:	
County: Date: On this date, before me, the undersigned Ryo Maiguma , proved to me through sati identity, which was/were	notary public, personally appeared isfactory evidence of
whose name was signed above, and who of the document are truthful and accurate belief, and that he/she signed it voluntarily	, to be the person swore or affirmed to me that the contents to the best of his/her knowledge and y for its stated purpose.
(signature of notary)	
My commission expires	(seal of notary)

.....

In witness	whereof, I hereto s	et my hand and sea	1
Tobe Z. Barksd	ale	1/23/2015 (date)	
Certificate of Notarization: Commonwealth of Massachus County: <u>Middlescy</u> Date: <u>January</u> 23 On this date, before me, the u Tobe Z. Barksdale , proved to identity, which was/were	ndersigned notary	public, personally a ctory evidence of	ppeared
hass Drivers Lie whose name was signed above of the document are truthful a belief and that he/she signed winned belief (signature of notary)	(e, and who swore and accurate to the back of the b	or affirmed to me th est of his/her know	at the contents
My commission expires	3 <u>112/2021</u>		(seal of notary)

In witness whereof, I hereto se	et my hand and seal
Jon May	1/22/2015- (date)
Douglas 0/. Holmi	(date) '
Certificate of Notarization: Commonwealth of Massachusetts, County: <u>middlesex</u>	
Date: 1/22/2015	0. 1. C
On this date, before me, the undersigned notary p Douglas J. Holmi, proved to me through satisfac	JUDIIC, personally appeared
identity, which-was/were	iory evidence of
<u>Mass Drivers License</u> , whose name was signed above, and who swore of of the document are truthful and accurate to the b belief, and that he/she signed it voluntarily for its s <u>Jacuary</u> (signature of notary)	or affirmed to me that the contents est of his/her knowledge and
My commission expires (3/12/2021	(seal of notary)

lp witness whereof, I l	hereto set my hand and seal
	2/13/15-
Charles Oswald	(date)
Certificate of Notarization: Commonwealth of Massachusetts, County: <u>Middleard</u> Date: <u>13</u> <u>Kibruary</u> <u>2015</u> On this date, before me, the undersigned Charles Oswald , proved to me through a identity, which was/were	I notary public, personally appeared satisfactory evidence of
your mally uncur to me whose name was signed above, and who	, to be the person swore or affirmed to me that the contents to the best of his/har knowledge and
belief, and that he/she signed it voluntaril	iy for its stated purpese Development of atomic public Development of the passing of the passi
My commission expires <u>4/1/2018</u>	S. <u>GENEVIEVE W JINSO</u>
	COMMONWEALTH OF MASSACHUSETT My Commission Explices June 01, 2018

In witness whereof, I hereto set my hand and seal			
Zukui Song 1/ 20/ 20/5 (date)			
Ztikui Song (date)			
Certificate of Notarization: Commonwealth of Massachusetts, County: <u>middlasex</u> Date: <u>January 20, 2015</u> On this date, before me, the undersigned notary public, personally appeared Zukui Song , proved to me through satisfactory evidence of identity, which was/were			
<u>mass Drivers License</u> , 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 <u>3/12/2027</u> (seal of notary)			
In witness whereof, I hereto set my hand and seal			
Shiutun Cheung (date)			
Shiufun Cheung (date)			
Certificate of Notarization: Commonwealth of Massachusetts, County: <u>Middlesex</u> Date: <u>Jonuary 2015</u> On this date, before me, the undersigned notary public, personally appeared Shiufun Cheung , proved to me through satisfactory evidence of identity, which was/were			
<u>Mass Drivers License</u> , 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.			
My commission expires $\frac{3/2}{202/}$ (seal of notary)			

In witness whereof, I here	to set my hand and seal
Michael S. Dublin	Jan 24 2015 (date)
Certificate of Notarization: Commonwealth of Massachusetts, County: Middlear D	
Date: <u>29 January 205</u> On this date, before me, the undersigned not	
Michael S. Dublin, proved to me through sat identity, which was/were	tisfactory evidence of
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whose name was signed above, and who sw	, to be the person ore or affirmed to me that the contents
of the document are truthful and accurate to t	the best of his/her knowledge and
belief, and that he/she signed it voluntarily for	A CONTRACT A CONTRACTACTACTIAN CONTRACTACTIAN CONTRACTACTIAN CONTRACTACTIAN CONTRACTACTACTIAN CONTRACTACTIAN CONTRACTACTACTIAN CONTRACTACTACTIAN CONTRACTACTACTIAN CONTRACTACTIAN CONTRACTACTIAN CONTRACTACTACTIAN CONTRACTACTACTIAN CONTRACTACTIAN CONTRACTACTIAN CONTRACTACTIAN CONTRACTACTIAN CONTRACTACTIAN CONTRACTACTIAN CONTRACTACTIAN CONTRACTACTACTIAN CONTRACTACTIAN CONTRACT
(signature of/notary)	My Commission Expires
My commission expires	(Sear or molary)

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: Bose Corporation Signature: A Name: Stephen A Romine Title: Chief Intellectual Property Counsel

Date: 2/26/2015

Registered No. 653

NOTARIAL CERTIFICATE

This is to certify that Ryo Maiguma has affixed signature in my very presence to the attached document.

Dated this 4 th day of February, 2015

ña_ AKIRA NAKATA Notary 94194680 Tokyo Legal Affairs Bureau

平成27年臺簿第 653 号

ΞĒ.

言及

この添付書面の署名者毎熊亮は、本職の面前でこの文書に署名した。

よって、これを認証する。 平成27年 2 月 4 日、本公証人役場において 東京都新宿区西新宿7丁目4番3号 東京法務局所属 公証人 Notary Akira Nakath 誕 明

上記署名は、東京法務局所属公証人の署名に相違ないものであり、かつ、その押印は、 真実のものであることを証明する。





Docket No.: A-12-029-US Page 1 of 7

<u>ASSIGNMENT</u>

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:

Managing Telephony and Entertainment Audio in a Vehicle Audio Platform

which is identified by Bose Corporation Docket No. A-12-029-US for which Assignors filed an application of United States Letters Patent on March 6, 2014 assigned Application Serial No. 14/199,799 (hereinafter the "Application").

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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

Docket No.: A-12-029-US Page 2 of 7

this 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 subject of the Application.

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In testimony whereof, we have hereunto set our hands.

Docket No.: A-12-029-US Page 3 of 7

In witness whereof, I hereto set my hand and seal		
Jeffery R. Vautin	(date)	
Certificate of Notarization:		
Commonwealth of Massachusetts,		
County: Date:	_	
On this date, before me, the undersigned nota Jeffery R. Vautin, proved to me through satis identity, which was/were	ry public, personally appeared actory evidence of	
	, to be the person	
whose name was signed above, and who swol of the document are truthful and accurate to th belief, and that he/she signed it voluntarily for i	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		
Eduardo T. Salvador	(date)	
Eduardo 1. Salvador	(date)	
Certificate of Notarization: Commonwealth of Massachusetts,	(date)	
Certificate of Notarization:	(date)	
Certificate of Notarization: Commonwealth of Massachusetts, County:	y public, personally appeared	
Certificate of Notarization: Commonwealth of Massachusetts, County: Date: On this date, before me, the undersigned notar Eduardo T. Salvador, proved to me through s	y public, personally appeared	
Certificate of Notarization: Commonwealth of Massachusetts, County: Date: On this date, before me, the undersigned notar Eduardo T. Salvador, proved to me through s	y public, personally appeared atisfactory evidence of , to be the person e or affirmed to me that the contents a best of his/her knowledge and	
Certificate of Notarization: Commonwealth of Massachusetts, County: Date: On this date, before me, the undersigned notar Eduardo T. Salvador, proved to me through si identity, which was/were whose name was signed above, and who swor of the document are truthful and accurate to the	y public, personally appeared atisfactory evidence of , to be the person e or affirmed to me that the contents a best of his/her knowledge and	

Docket No.: A-12-029-US Page 4 of 7

In witness whereof, I h	nereto set my hand and seal
	2/4/2015 (date)
Ryo Maiguma	(date)
	6
Certificate of Notarization:	
County:	
Date:	
On this date, before me, the undersigned	notary public, personally appeared
Ryo Maiguma, proved to me through sati identity, which was/were	istactory evidence of
Nonly, which was noted	
	, 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 belief, and that he/she signed it voluntarily	to the best of his/her knowledge and
Sound and succession of all the a foreign and	rior na stateu purpose.
(signature of notary)	
My commission expires	(seal of notary)
	(boos of notary)
In witness whereof I b	ereto sat my hand and cool
In witness whereof, I h	ereto set my hand and seal
In witness whereof, I h Tobe Z. Barksdale	ereto set my hand and seal (date)
Tobe Z. Barksdale	
Tobe Z. Barksdale Certificate of Notarization: Commonwealth of Massachusetts, County:	
Tobe Z. Barksdale Certificate of Notarization: Commonwealth of Massachusetts, County: Date:	(date)
Tobe Z. Barksdale <u>Certificate of Notarization</u> : Commonwealth of Massachusetts, County: Date: On this date, before me, the undersigned	(date)
Tobe Z. Barksdale Certificate of Notarization: Commonwealth of Massachusetts, County: Date:	(date)
Tobe Z. Barksdale <u>Certificate of Notarization</u> : Commonwealth of Massachusetts, County: Date: On this date, before me, the undersigned Tobe Z. Barksdale , proved to me through	(date) notary public, personally appeared satisfactory evidence of
Tobe Z. Barksdale Certificate of Notarization: Commonwealth of Massachusetts, County: Date:	<i>(date)</i> notary public, personally appeared satisfactory evidence of
Tobe Z. Barksdale Certificate of Notarization: Commonwealth of Massachusetts, County: Date: On this date, before me, the undersigned Tobe Z. Barksdale, proved to me through identity, which was/were	(date) notary public, personally appeared satisfactory evidence of , to be the person swore or affirmed to me that the contents
Tobe Z. Barksdale Certificate of Notarization: Commonwealth of Massachusetts, County: Date:	(date) notary public, personally appeared satisfactory evidence of , to be the person swore or affirmed to me that the contents to the best of his/her knowledge and
Tobe Z. Barksdale Certificate of Notarization: Commonwealth of Massachusetts, County: Date: On this date, before me, the undersigned Tobe Z. Barksdale, proved to me through identity, which was/were whose name was signed above, and who of the document are truthful and accurate	(date) notary public, personally appeared satisfactory evidence of , to be the person swore or affirmed to me that the contents to the best of his/her knowledge and

My commission expires

.....

(seal of notary)

Docket No.: A-12-029-US Page 5 of 7

In witness whereof, I hereto set my hand and seal		
Douglas J. Holmi	(date)	
Certificate of Notarization:		
Commonwealth of Massachusetts,		
County: Date:		
On this date, before me, the undersigned r Douglas J. Holmi, proved to me through s identity, which was/were	notary public, personally appeared satisfactory evidence of	
	, to be the person	
whose name was signed above, and who a of the document are truthful and accurate t belief, and that he/she signed it voluntarily	swore or affirmed to me that the contents to the best of his/her knowledge and	
(signature of notary)		
My commission expires	(seal of notary)	
Charles Oswald	ereto set my hand and seal	
	(asto)	
Certificate of Notarization: Commonwealth of Massachusetts,		
County:		
Date: On this date, before me, the undersigned r Charles Oswald, proved to me through sa identity, which was/were	notary public, personally appeared at a state of the stat	
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whose name was signed above, and who a of the document are truthful and accurate t belief, and that he/she signed it voluntarily	to the best of his/her knowledge and	
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Docket No.: A-12-029-US Page 6 of 7

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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

(seal of notary)

Docket No.: A-12-029-US Page 7 of 7

In witness whereof, I hereto set my hand and seal		
Michael S. Dublin	(date)	
Certificate of Notarization: Commonwealth of Massachusetts,		
County:		
Date:		
On this date, before me, the undersigned r		
Michael S. Dublin, proved to me through a identity, which was/were	satisfactory evidence of	
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whose name was signed above, and who s		
of the document are truthful and accurate t		
belief, and that he/she signed it voluntarily	for its stated purpose.	
(signature of notary)		
	loool of potend	
My commission expires	(seal of notary)	

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: Bose Corporation

Signature: _______ Name: Stephen L. Romine Title: Chief Intellectual Property Counsel Date:

RECORDED: 12/01/2017