#### 505594187 07/29/2019

### PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SIAMAK FARAHBAKHSH	07/01/2019
WADE P TORRES	06/19/2019
ERIC BERNSTEIN	06/19/2019

### **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:	16176892

### 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 **BOSE CORPORATION Correspondent Name:** Address Line 1: THE MOUNTAIN, MS 3B1

Address Line 2: IP LEGAL - PATENT SUPPORT

Address Line 4: FRAMINGHAM, MASSACHUSETTS 01701

ATTORNEY DOCKET NUMBER:	AS-18-169-US
NAME OF SUBMITTER:	SHELLEY ROSSMAN
SIGNATURE:	/shelley rossman/
DATE SIGNED:	07/29/2019

### **Total Attachments: 5**

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Page 1 of 5

## **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:

### SYSTEMS AND METHODS FOR RECURSIVE NORM CALCULATION

which is identified by Bose Corporation Docket No. **AS-18-169-US** for which Assignors filed an application of United States Letters Patent on **October 31, 2018** assigned Application Serial No. **16176892** (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 5

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 5

	In witness whereof, I hereto set my hand and seal		
	Siamak Farabbakhsh (date)		
	Siamák Farahbakhsh (date)		
	Certificate of Notarization: Commonwealth of Massachusetts, County: ηη Δους Date: Δους On this date, before me, the undersigned notary public, personally appeared Siamak Farahbakhsh, proved to me through satisfactory evidence of identity, which was/were		
	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 for the JO-ANNE B. PIRONTI better, and that he/she signed it voluntarily for its stated further. Notary Public Commonwealth or Massachusettes (signature of notary)  My Commission expires  (seal of notary)		
pagag			
*****	In witness whereof I hereto set my hand and seal  6-/9-20/9  Wade P. Torres  (date)		
:	In witness whereof, thereto set my hand and seal    Gold		

Page 4 of 5

In witness whereof, I hereto set my hand and seal		
Erij Grazia	6/19/Z01 <b>9</b> (date)	
Eric Bernstein	(date)	
Certificate of Notarization: Commonwealth of Massachusetts, County: MARSACHUSETTS, Date: JANE 19 2019 On this date, before me, the undersigned notal Eric Bernstein, proved to me through satisfac identity, which was/were		
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 (signature of notary)  My commission expires	e best of his/ber knowledge and ts stated purpade. JESSICA L. DOHERTY Notary Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires September 24, 2021	

Docket No.: AS-18-169-US Page 5 of 5

# Assignee Acceptance

Bose Corporation, the Assignee, hereby acknowledges and accepts the foregoing assignment.

Signature:

Name: David/L. Schuler

**RECORDED: 07/29/2019** 

Title: Chief Intellectual Property Counsel

PATENT

REEL: 049888 FRAME: 0439