

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5405565

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TYLER S. BUSHNELL	01/14/2019
JUSTIN D. CROSBY	01/31/2019
KEVIN TRUONG	02/02/2019
NIKOLAS T. VITT	01/31/2019
DANIEL CORONA	02/21/2019
RECEIVING PARTY DATA	
Name:	APPLE INC.
Street Address:	ONE APPLE PARK WAY
City:	CUPERTINO
State/Country:	CALIFORNIA
Postal Code:	95014
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16292927
CORRESPONDENCE DATA	
Fax Number:	(415)576-0300
<i>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.</i>	
Phone:	415-576-0200
Email:	bkanter@kilpatricktownsend.com
Correspondent Name:	KILPATRICK TOWNSEND & STOCKTON LLP
Address Line 1:	1100 PEACHTREE STREET
Address Line 2:	SUITE 2800
Address Line 4:	ATLANTA, GEORGIA 30309
ATTORNEY DOCKET NUMBER:	090911-P37633US1-1107258
NAME OF SUBMITTER:	BRIAN KANTER
SIGNATURE:	/Brian Kanter/
DATE SIGNED:	03/05/2019
Total Attachments: 7	

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ASSIGNMENT
(Patent Application)

JOINT

WHEREAS, Tyler S. Bushnell, Justin D. Crosby, Kevin Truong, Nikolas T. Vitt, and Daniel Corona, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: VIBRATION DRIVEN HOUSING COMPONENT FOR AUDIO REPRODUCTION, HAPTIC FEEDBACK, AND FORCE SENSING
Filing Date: March 5, 2019
Application No.: 16/292,927

WHEREAS, APPLE INC., a corporation of the state of California, located at One Apple Park Way, Cupertino, California 95014, United States of America, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignors, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Kilpatrick Townsend & Stockton LLP, 1100 Peachtree Street, Suite 2800, Atlanta, Georgia 30309, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Signature: _____

Tyler S. Bushnell

Date: _____

1/14/19

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(Patent Application)

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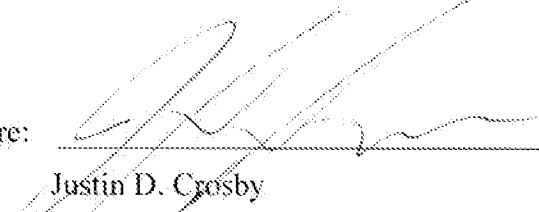
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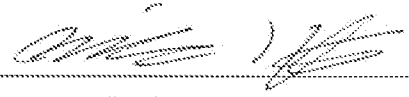
Tyler S. Bushnell

Signature: 
Justin D. Crosby

Date: 31 Jan 2019

Signature: _____
Kevin Truong

Date: _____

Signature: 
Nikolas T. Vitt

Date: 1/31/2019

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(Patent Application)

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Tyler S. Bushnell

Date: _____

Signature: _____
Justin D. Crosby

Date: _____

Signature:  _____
Kevin Truong

Date: 03/02/2019

Signature: _____
Nikolas T. Vitt

Date: _____

Signature: _____
Daniel Corona

Date: _____

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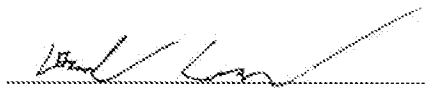
Date: _____

Tyler S. Bushnell

Signature: _____ Date: _____
Justin D. Crosby

Signature: _____ Date: _____
Kevin Truong

Signature: _____ Date: _____
Nikolas T. Vitt

Signature:  _____ Date: 2/21/2019
Daniel Corona