PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4927325

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| JAMES R. DILLON JR. | 10/27/2016 |
| TODD MCPHERSON | 10/26/2016 |

RECEIVING PARTY DATA

| Name: | CAPITAL ONE SERVICES, LLC |
|-----------------|---------------------------|
| Street Address: | 1680 CAPITAL ONE DRIVE |
| City: | MCLEAN |
| State/Country: | VIRGINIA |
| Postal Code: | 22102 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15336765 |

CORRESPONDENCE DATA

Fax Number: (202)408-4400

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: 202-408-4000

Email: CapOne USPTO@finnegan.com

Correspondent Name: FINNEGAN/CAPITAL ONE
Address Line 1: 901 NEW YORK AVENUE, NW
Address Line 4: WASHINGTON, D.C. 20001

| ATTORNEY DOCKET NUMBER: | 05793.3492-00000 |
|-------------------------|--|
| NAME OF SUBMITTER: | JESSICA L.A. MARKS |
| SIGNATURE: | /JESSICA L.A. MARKS/ |
| DATE SIGNED: | 04/23/2018 |
| | This document serves as an Oath/Declaration (37 CFR 1.63). |

Total Attachments: 3

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PATENT 504880584 REEL: 045609 FRAME: 0104

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 05793.3492-00000

ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

ASSIGNMENT:

| SYSTEMS AND METHODS FOR PROVIDING VARIABLE HAPTIC FEEDBACK |
|--|
| filed herewith; and |
| WHEREAS, Capital One Services, LLC |
| a corporation of Delaware |
| whose post office address is1680 Capital One Drive, McLean, VA 22102 |

WHEREAS We, the below-named inventors, (hereinafter referred to as Assignors), of an invention entitled:

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority in any foreign country on the basis of any provisional application (62/247,441 filed on October 28, 2015), as well as all rights to claim priority on the basis of this application in any foreign country, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Director of the United States Patent and Trademark Office and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

| AND, WE HEREBY authorize and reque | est that the attorneys havin | g Power of Attorney in this application, insert here in |
|------------------------------------|------------------------------|---|
| parentheses (Application No | , filed |) the filing date and application number of |
| said application when known. | | |

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 05793.3492-00000

DECLARATION:

As a named inventor below, I hereby declare that: (1) This declaration is directed to the above-identified application; (2) the above-identified application was made or authorized to be made by me; (3) my residence and mailing address are as stated below next to my name; and (4) I believe I am an original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment of not more than five (5) years, or both, under section 1001 of Title 18 of the United States Code.

As a below named inventor, I have reviewed and understand the contents of the application, including the claims, and am aware of the duty to disclose to the USPTO all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

| 1. LEGAL NAME OF FIRST INVENTOR | SIGNATURE | DATE |
|---|-----------|------------|
| JAMES R. DILLON, Jr. | | |
| MAILING ADDRESS | | RESIDENCE |
| 1900 Castlebridge Road Midlothian, VA 23113 | | VA |
| 2. LEGAL NAME OF SECOND INVENTOR | SIGNATURE | DATE |
| TODD MCPHERSON | | 10/26/2016 |
| MAILING ADDRESS | | RESIDENCE |
| 70 Graystone Terrace San Francisco, CA 94114 | | CA |

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 05793.3492-00000

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As a named inventor below, I hereby declare that: (1) This declaration is directed to the above-identified application; (2) the above-identified application was made or authorized to be made by me; (3) my residence and mailing address are as stated below next to my name; and (4) I believe I am an original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment of not more than five (5) years, or both, under section 1001 of Title 18 of the United States Code.

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IN TESTIMONY WHEREOF, We have hereunto set our hands.

| 1. LEGAL NAME OF FIRST INVENTOR | SIGNATURE | DATE |
|---|--|-----------|
| JAMES R. DILLON, Jr. | - Shakesing the state of the st | 10/27/16 |
| MAILING ADDRESS | | RESIDENCE |
| 3115 Monument Ave. Apt 11 Richmond, VA 23221 | | VA |
| 2. LEGAL NAME OF SECOND INVENTOR | SIGNATURE | DATE |
| TODD MCPHERSON | | |
| MAILING ADDRESS | | RESIDENCE |
| 70 Graystone Terrace San Francisco, CA 94114 | | CA |

RECORDED: 04/23/2018

PATENT REEL: 045609 FRAME: 0107