#### 504978799 06/26/2018

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
DAVID W. PADGETT	05/08/2018
JOHN P. CLARK	04/16/2018
BRIAN A. CARLSEN	06/05/2018
JEFFREY D. LAMARCHE	06/04/2018
JASON B. MORLEY	06/04/2018
CHRISTIAN SCHROEDER	04/10/2018
MARK E. PENNELL	06/04/2018
ZHE LI	06/04/2018
JORGE E. POZAS TREVINO	06/04/2018

#### **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:	16019501

### **CORRESPONDENCE DATA**

**Fax Number:** (415)576-0300

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Email: TDIEP@KILPATRICKTOWNSEND.COM

Correspondent Name: APPLE INC.

Address Line 1: ONE APPLE PARK WAY

Address Line 4: CUPERTINO, CALIFORNIA 95014

**ATTORNEY DOCKET NUMBER:** 090911-P34632US2-1070337

NAME OF SUBMITTER: THUY DIEP

PATENT REEL: 046209 FRAME: 0188

SIGNATURE:	/THUY DIEP/	
DATE SIGNED:	06/26/2018	
Total Attachments: 10		
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PATENT REEL: 046209 FRAME: 0189 Attorney Docket No.: 090911-P34632US2-1070337

## ASSIGNMENT (Patent Application)

JOINT

WHEREAS, David W. Padgett, John P. Clark, Brian A. Carlsen, Jeffrey D. LaMarche, Jason B. Morley, Christian Schroeder, Mark E. Pennell, Zhe Li, and Jorge F. Pozas Trevino, 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:

INDEX-BASED DEIDENTIFICATION

Filing Date:

June 26, 2018

Application No.:

16/019,501

WHEREAS, APPLE INC., a corporation of the state of California, located at One Apple Park Way, Cupertino, CA 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:

Date:  $0 \le -2 \le 0$ 

Signature:		Date:	
	John P. Clark		
Signature:		Date:	
	Brian A. Carlsen		
Signature:		Date:	
	Jeffrey D. LaMarche		Secretaria
Signature:		Date:	
	Jason B. Morley		
Signature:		Date:	
	Christian Schroeder		
Signature:		Date:	
	Mark E. Pennell		ere
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	Zhe Li		
Signature:		Date:	
	Jorge F. Pozas Trevino		ere

PATENT REEL: 046209 FRAME: 0191

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Signature:	David W. Padgett		•••••		Date:	

Signature:		Date:	4/16/18
	John P. Clark		•
Signature:	Brian A. Carlsen	Date:	
Signature:		Date:	
	Jeffrey D. LaMarche		
Signature:	Jason B. Morley	Date:	
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at a	Christian Schroeder	<b>3%</b> 1 /	
Signature:	Mark E. Pennell	Date:	
Signature:	Zhe Li	Date:	
		positi i	
Signature:	Jorge F. Pozas Trevino	Date:	

Attorney Docket No.: 090911-P34632US2-1070337

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Signature:		Date:	

Signature:		Date:	
	John P. Clark		
Signature:	Pur Alale	Date:	6/5/2018
	Brian A. Carlsen		
Signature:		Date:	
	Jeffrey D. LaMarche		
Signature:		Date:	
	Jason B. Morley		
Signature:		Date:	
	Christian Schroeder		
Signature:		Date:	
	Mark E. Pennell		
Signature:		Date:	
	Zhe Li		
Signature:		Date:	
	Jorge F. Pozas Trevino		

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Signature:	David W. Padgett	Date:

Signature:		Date:	
	John P. Clark		
Signature:		Date:	,
	Brian A. Carlsen		
Signature:	444144	Date:	6/04/18
	Jøffrey D. LaMarche		
Signature:	Jan Moly	Date:	08-04-18
	Vason B. Morley		
Signature:		Date:	
	Christian Schroeder		
Signature:	Mark E ferrell	Date:	06-04-18
	Mark E. Pennell		
Signature:	422/2	Date:	06-04-18
. &.	Zhe Li		
Signature:		Date:	06-04-18
	Jorge F. Pozas Trevino		

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Signature:		Date:	
	Jeffrey D. LaMarche		
Signature:	Jason B. Morley	Date:	, <del>, , , , , , , , , , , , , , , , , , </del>
Signature:	Christian Schroeder	Date:	04/13/18
Signature:	Mark E. Pennell	Date:	<del></del>
Signature:	Zhe Li	Date:	
Signature:	Jorge F. Pozas Trevino	Date:	<u></u>

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