504133013 12/16/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SUSAN L. BOOKER	11/14/2016
MURALI KRISHNAN	11/30/2016
GARRETT L. WEINBERG	11/14/2016
AIMEE PIERCY	11/28/2016

RECEIVING PARTY DATA

Name:	APPLE INC.
Street Address:	1 INFINITE LOOP
City:	CUPERTINO
State/Country:	CALIFORNIA
Postal Code:	95014

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15272214

CORRESPONDENCE DATA

Fax Number: (650)494-0792

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: (650) 813-5720 Email: mleung@mofo.com CHRISTOPHER B. EIDE **Correspondent Name:**

Address Line 1: APPLE INC. C/O MORRISON & FOERSTER PA

Address Line 2: 755 PAGE MILL ROAD

Address Line 4: PALO ALTO, CALIFORNIA 94304-1018

ATTORNEY DOCKET NUMBER:	770002001200 (P30596US1)
NAME OF SUBMITTER:	CHRISTOPHER B. EIDE
SIGNATURE:	/Christopher B. Eide/
DATE SIGNED:	12/16/2016

Total Attachments: 8

source=P30596US1 Assignment 121616#page1.tif source=P30596US1_Assignment_121616#page2.tif

PATENT REEL: 040642 FRAME: 0163 504133013



PATENT REEL: 040642 FRAME: 0164

ASSIGNMENT

This assignment is by:

Susan L. BOOKER
 c/o Apple Inc.
 Infinite Loop
 Cupertino, California 95014

Murali KRISHNAN c/o Apple Inc. Infinite Loop Cupertino, California 95014

3. Garrett L. WEINBERGc/o Apple Inc.! Infinite LoopCupertino, California 95014

Aimee PIERCY
 c/o Apple Inc.
 1 Infinite Loop
 Cupertino, California 95014

(referred to in this Assignment as "Assignors"), whose residence or mailing address information is listed above.

This Assignment is to:

Assignee: Apple Inc.

Address: 1 Infinite Loop, Cupertino, California 95014

A corporation duly organized under and pursuant to the laws of: California

(referred to in this Assignment as "Assignee"), which desires to acquire the entire right, title and interest in, to and under said patent application and the inventions covered thereby.

Assignors have invented certain new and useful inventions in:

INTELLIGENT LIST READING

for which Assignors have filed an application for patent in the United States of America concurrently herewith. Where this Assignment is not filed concurrently with the application, the following identifying information may be added after execution:

Serial No.: 15/272,214 Filing Date: September 21, 2016

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged,

1. Assignors hereby sell, assign, transfer and set over, to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for letters patent, any and all provisionals, non-provisionals, divisions, continuations, and continuations-in-part claiming priority thereto or the benefit thereof, substitutions of said applications, and any and all letters patent or patents in the United States of America and all foreign countries or jurisdictions which may be granted therefor and thereon, including, without limitation, any modifications to such letters patent or patents such as through reissue, re-examination or other post-grant proceeding, and any and all extensions of said letters patent or patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee (including any right to institute actions and to

- 2. Assignors represent, warrant and covenant (a) that, at the time of execution and delivery of this agreement, Assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and said application for letters patent, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner set forth in this agreement, or (b) that Assignors solely and lawfully owned the entire right, title and interest in and to said inventions and said application for letters patent, and the same were unencumbered and that Assignors sold, assigned, transferred and set over, to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to said inventions and said applications for letters patent.
- 3. Assignors shall promptly sign and execute all papers and documents, take all lawful oaths, and do all acts necessary, required or useful for the procurement, maintenance, enforcement, defense or otherwise to secure title thereto to the Assignee, at the sole cost and expense of Assignee, its successors, legal representatives and assigns, in each case including, without limitation, arising from or relating to (a) said inventions, or said application for letters patent; (b) any provisional, non-provisional, division, continuation, or continuation-in-part claiming priority thereto or the benefit thereof, or any substitution of any such application, or (c) any letters patent or patents for said inventions in any country or jurisdiction, including without limitation, any modifications to such letters patent or patents such as through reissue, re-examination, or other post-grant proceeding. To be clear, for purposes of this paragraph, "procurement, maintenance, enforcement, defense" shall include, without limitation, any preparation, prosecution, pre-grant proceeding, and post-grant proceeding, whether before a patent office or other administrative body or judicial body with jurisdiction therefor.
- 4. Assignors hereby authorize and request the Commissioner of Patents in the United States to issue the above mentioned letters patent of the United States to Assignee as the assignee of said inventions and the letters patent to be issued thereon for the sole use of Assignee, its successors, legal representatives and assigns.
- 5. "I hereby grant Assignee's attorneys, all of Morrison & Foerster LLP, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark office for recordation of this document, including the power to insert on this assignment the application number and filing date of said application when known."

In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date:	11/14/2016	Signature:	STANA .
		ū	Susan L. Booker
Date:		Signature:	
			Murali Krishnan
Date:		Signature:	
			Garrett L. Weinberg
Date:		Signature:	
			Aimee Piercy

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Date:	Signature:	
Date:11-30-2016	Signature:	Susan L. Booker Murali Krishnan
Date:		Murali Krishnan
Date:	Signature:	Garrett L. Weinberg
		Aimee Piercy

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This assignment is by:

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 c/o Apple Inc.
 Infinite Loop
 Cupertino, California 95014

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 1 Infinite Loop
 Cupertino, California 95014

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Date:		Signature:	
			Susan L. Booker
Date:	******************************	Signature:	
			Murali Krishnan
Date: 1	1/14/2016	Signature:	And in
		,	Garrett L. Weinberg
Date:		Signature:	
			Aimee Piercy

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 c/o Apple Inc.
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Date:	Signature:	
	Susan L. Booker	
Date:	Signature:	
	Murali Krishnan	***************************************
Date:	Signature:	
	Garrett L. Weinherg	***************************************
Date: 11/2-8/16	Signature:	
	Aimee Piercy	************

2

RECORDED: 12/16/2016