

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2817460

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
David Michael Chan	09/05/2013
John Iarocci	04/11/2014
Gaurav Kapoor	09/09/2013
Kit-Man Wan	09/05/2013
Phillip Stanley-Marbell	09/05/2013
Jonathan J. Andrews	09/07/2013
Matthew E. Shepherd	09/10/2013
Amit K. Vyas	09/06/2013
Anand Ramadurai	09/06/2013
Lee Russell	09/05/2013
Brittany D. Hughes	09/09/2013
David B. Myszewski	09/09/2013
Andrew M. Matuschak	09/05/2013
Joshua V. Graessley	09/09/2013
Marc Krochmal	04/11/2014
Daniel Vinegrad	09/08/2013
Stephen C. Peters	09/09/2013

RECEIVING PARTY DATA

Name:	Apple Inc.
Street Address:	1 Infinite Loop
City:	Cupertino
State/Country:	CALIFORNIA
Postal Code:	95014-2094

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14253781

CORRESPONDENCE DATA

Fax Number: (877)769-7945

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via
PATENT

US Mail.

Phone: (650) 839-5070
Email: apsi@fr.com
Correspondent Name: KIRK A. GOTTLIEB
Address Line 1: FISH & RICHARDSON P.C.
Address Line 2: P.O.BOX 1022
Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	18962-0760001
NAME OF SUBMITTER:	SARAH E. HOKE
SIGNATURE:	/Sarah E. Hoke/
DATE SIGNED:	04/16/2014

Total Attachments: 68

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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS, David Michael Chan, John Iarocci, Gaurav Kapoor, Kit-man Wan, Phillip Stanley-Marbell, Jonathan J. Andrews, Matthew E. Shepherd, Amit K. Vyas, Anand Ramadurai, Lee Russell, Brittany D. Hughes, David B. Myszewski, Andrew M. Matuschak, Joshua V. Graessley, Marc Krochmal, Daniel Vinegrad, Stephen C. Peters, hereby sell, assign, and transfer to Apple Inc. (CALIFORNIA corporation), having offices located at 1 Infinite Loop, Cupertino, California 95014-2094, and its successors, assigns and legal representatives (collectively, "ASSIGNEE") all of the right, title and interest of ASSIGNORS throughout the world in and to any and all inventions and improvements which are the subject of a patent document entitled

Initiating Background Updates Based on User Activity

and which is found in

- (a) U.S. patent application executed on _____, entitled as above, listing the above named persons as Inventors.
- (b) U.S. patent application filed on April 15, 2014
 - under Application No. 14/253,781
 - with Express Mail No. _____ (Application Number not yet known).
- (c) U.S. Patent No.: issued

An attorney of record, or the attorney filing the application, is authorized and requested by the execution of this assignment to insert into this assignment the execution date of the application and/or the filing date and serial number of the application when officially known.

This assignment includes the foregoing patent application or patent; all legal equivalents thereof in any foreign country and all patents issuing therefrom; all United States and foreign patents, utility models, and design registrations granted for any of said inventions and improvements; and the right to claim priority based on the filing date of the foregoing patent application or patent under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. ASSIGNORS authorize ASSIGNEE to apply in all countries in the name of ASSIGNORS or in the name of ASSIGNEE for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements.

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ASSIGNORS request the Commissioner of Patents and Trademarks to issue said patents of the United States and any reissue or extension thereof to the ASSIGNEE.

Executed this

5 day of September, 2013

Signature of Inventor



David Michael Chan

Executed this

_____ day of _____, 20____

Signature of Inventor

John Iarocci

Executed this

_____ day of _____, 20____

Signature of Inventor

Gaurav Kapoor

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Stephen C. Peters

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Executed this

_____ day of _____, 20____

Signature of Inventor

David Michael Chan

Executed this

11th day of April, 2014

Signature of Inventor



John Iarocci

Executed this

_____ day of _____, 20____

Signature of Inventor

Gaurav Kapoor

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_____ day of _____, 20____

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David Michael Chan

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_____ day of _____, 20____

Signature of Inventor

John Iarocci

Executed this

9th day of September, 2013

Signature of Inventor

Gaurav Kapoor



Executed this

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Kit-man Wan

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Signature of Inventor

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John Iarocci

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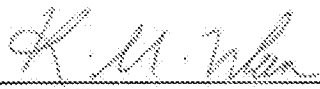
_____ day of _____ 20____

Gaurav Kapoor

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Signature of Inventor

5th day of September 2013



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For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS, David Michael Chan, John Iarocci, Gaurav Kapoor, Kit-man Wan, Phillip Stanley-Marbell, Jonathan J. Andrews, Matthew E. Shepherd, Amit K. Vyas, Anand Ramadurai, Lee Russell, Brittany D. Hughes, David B. Myszewski, Andrew M. Matuschak, Joshua V. Graessley, Marc Krochmal, Daniel Vinegrad, Stephen C. Peters, hereby sell, assign, and transfer to Apple Inc. (CALIFORNIA corporation), having offices located at 1 Infinite Loop, Cupertino, California 95014-2094, and its successors, assigns and legal representatives (collectively, "ASSIGNEE") all of the right, title and interest of ASSIGNORS throughout the world in and to any and all inventions and improvements which are the subject of a patent document entitled

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and which is found in

- (a) U.S. patent application executed on _____, entitled as above, listing the above named persons as Inventors.
- (b) U.S. patent application filed on April 15, 2014
 - under Application No. 14/253,781
 - with Express Mail No. _____ (Application Number not yet known).
- (c) U.S. Patent No.: issued

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_____ day of _____, 20____

David Michael Chan

Executed this

Signature of Inventor

_____ day of _____, 20____

John Iarocci

Executed this

Signature of Inventor

_____ day of _____, 20____

Gaurav Kapoor

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Signature of Inventor

_____ day of _____, 20____

Kit-man Wan

Executed this

Signature of Inventor

_____ day of _____, 20____

Phillip Stanley-Marbell

Executed this

Signature of Inventor

9 day of 7, 2013

JS Andrews
Jonathan J. Andrews

Executed this

Signature of Inventor

_____ day of _____, 20__

Matthew E. Shepherd

Executed this

Signature of Inventor

_____ day of _____, 20__

Amit K. Vyas

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Anand Ramadurai

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Signature of Inventor

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Jonathan J. Andrews

Executed this

10 day of September, 2013

Signature of Inventor



Matthew E. Shepherd

Executed this

_____ day of _____, 20____

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Amit K. Vyas

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Jonathan J. Andrews

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Signature of Inventor

Matthew E. Shepherd

Executed this

6th day of September, 2013

Signature of Inventor



Amit K. Vyas

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Signature of Inventor

Anand Ramadurai

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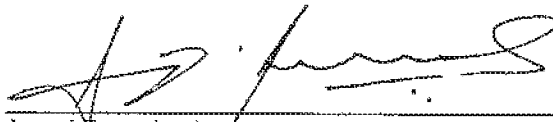
_____ day of _____, 20__

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Signature of Inventor

_____ day of _____, 20__

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Lee Russell

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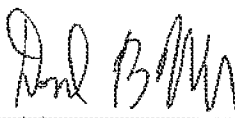
_____ day of _____, 20____

Brittany D. Hughes

Executed this

Signature of Inventor

9 day of September, 2013



David B. Myszewski

Executed this

Signature of Inventor

_____ day of _____, 20__

Andrew M. Matuschak

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Marc Krochmal

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Daniel Vinegrad

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Signature of Inventor

_____ day of _____, 20__

Stephen C. Peters

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David B. Myszewski

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Signature of Inventor

5th day of September, 2013



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Executed this

Signature of Inventor

9 day of Sept, 2013

Joseph V. Graessley
Joseph V. Graessley

Executed this

Signature of Inventor

_____ day of _____, 20__

Marc Krochmal

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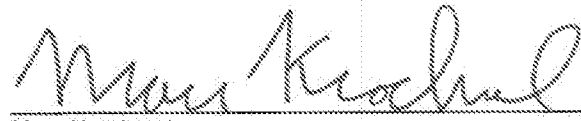
_____ day of _____, 20__

Joshua V. Graessley

Executed this

Signature of Inventor

11 day of APRIL, 2014



Marc Krochmal

Executed this

Signature of Inventor

_____ day of _____, 20__

Daniel Vinegrad

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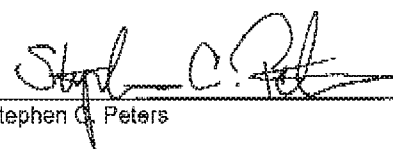
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