503578251 11/19/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3624879

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
	Corrective Assignment to correct the ASSIGNOR NAME: I.J. ELSETH previously recorded on Reel 037005 Frame 0979. Assignor(s) hereby confirms the CORRECT NAME IS: IAN J. ELSETH.	

CONVEYING PARTY DATA

Name	Execution Date
CHARLES J. MIGOS	10/30/2015
MARTIN J. MURRETT	10/26/2015
IAN J ELSETH	11/03/2015
ALLISON M STYER	10/28/2015
JACOB REFSTRUP	10/28/2015
ALASTAIR K. FETTES	10/30/2015
GREGORY C. LANGMEAD	10/23/2015

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:	14871924

CORRESPONDENCE DATA

Fax Number: (858)350-6111

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: 858-350-6100

Email: lewatts@kilpatricktownsend.com

Correspondent Name: KILPATRICK TOWNSEND & STOCKTON LLP/APPLE
Address Line 1: TWO EMBARCADERO CENTER, EIGHTH FLOOR

Address Line 4: SAN FRANCISCO, CALIFORNIA 94111-3834

ATTORNEY DOCKET NUMBER:	090911-P26527US1-0945649
NAME OF SUBMITTER:	RUTHLEEN E. UY
SIGNATURE:	/RUTHLEEN E. UY/

PATENT 503578251 REEL: 037148 FRAME: 0298

Total Attachments: 9
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PATENT REEL: 037148 FRAME: 0299

503563675 11/10/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3610302

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHARLES J. MIGOS	10/30/2015
MARTIN J. MURRETT	10/26/2015
HJ: ELSETH IAN J. ELSETH	11/03/2015
ALLISON M STYER	10/28/2015
JACOB REFSTRUP	10/28/2015
ALASTAIR K FETTES	10/30/2015
GREGORY C LANGMEAD	10/23/2015

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:	14871924

CORRESPONDENCE DATA

Fax Number: (858)350-6111

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: 415-576-0200

Email: lewatts@kilpatricktownsend.com

Correspondent Name: KILPATRICK TOWNSEND & STOCKTON LLP/APPLE Address Line 1: TWO EMBARCADERO CENTER, EIGHTH FLOOR

Address Line 4: SAN FRANCISCO, CALIFORNIA 94111-3834

ATTORNEY DOCKET NUMBER:	090911-P26527US1-0945649
NAME OF SUBMITTER:	RUTHLEEN E. UY
SIGNATURE:	/RUTHLEEN E. UY/
DATE SIGNED:	11/10/2015

PATENT REEL: 037148 FRAME: 0300

Attorney Docket No. 090911-P26527US1-0945649 Client Reference No.: P26257US1

ASSIGNMENT (Patent Application)

JOINT

WHEREAS, Charles J. Migos, Martin J. Murrett, Ian J. Elseth, Allison M. Styer, Jacob Refstrup, Alastair K. Fettes and Gregory C. Langmead, 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:

COLUMN FIT DOCUMENT TRAVERSAL FOR

READER APPLICATION

Filing Date:

September 30, 2015

Application No.

14/871,924

WHEREAS, APPLE INC., a corporation of the state of California, located at 1 Infinite Loop, Cupertino, CA 95014, 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, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

Page 1 of 2

indicated.	IN TESTIMONY WHEREOF, Assignors have signe	d their names on the dates
Signature:	Charles J. Migos	Date: 10/30/15
Signature:	A	Date: (3/26/15
Signature:	Ian J. Elseth	Date:
Signature:	Allison M. Styer	Date:
Signature:	Jacob Weistrup/	Date: 10/28/15
Signature:	Alastair K. Fettes	Date: <u>/0 / 3 0 //5</u>
Signature:	Gregory C. Langmead	Date:

ASSIGNMENT

(Patent Application)

JOINT

WHEREAS, Charles J. Migos, Martin J. Murrett, Ian J. Elseth, Allison M. Styer, Jacob Refstrup, Alastair K. Fettes and Gregory C. Langmead, 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:

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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.

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Page 1 of 2

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Signature:		Date:
	Charles J. Migos	
Signature:		Date:
	Martin J. Murrett	
Signature:		Date: 11/3/15
	Ian J. Elseth	
Signature:		Date:
	Allison M. Styer	
Signature:		Date:
~	Jacob Refstrup	
Signature:		Date:
-	Alastair K. Fettes	
Signature:		Date:
~	Gregory C. Langmead	•

ASSIGNMENT

(Patent Application)

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WHEREAS, Charles J. Migos, Martin J. Murrett, Ian J. Elseth, Allison M. Styer, Jacob Refstrup, Alastair K. Fettes and Gregory C. Langmead, 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:

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	Allison M. Styer	
Signature:		Date:
	Jacob Refstrup	
Signature:		Date:
	Alastair K. Fettes	
Signature:	Zall	Date: $10/23/15$
	Gregory C. Langmead	

Page 2 of 2

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RECORDED: 11/19/2015

PATENT REEL: 037148 FRAME: 0306