### 01/27/2017 504201005

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4247681

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
BARTOSZ CIECHANOWSKI	10/13/2016
BHASKAR P. SARMA	01/26/2017
WILLIAM R. DAHLBERG	10/18/2016
EUGENE BISTOLAS	09/16/2016
OLIVIER GUTKNECHT	09/16/2016
NATHANIEL BEGEMAN	12/15/2016

## **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:	15400780

### **CORRESPONDENCE DATA**

Fax Number: (408)720-8383

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: 408-720-8300

Email: juanita\_briscoe@bstz.com JAMES C. SCHELLER **Correspondent Name:** Address Line 1: 1279 OAKMEAD PKWY

Address Line 2: BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

SUNNYVALE, CALIFORNIA 94085 Address Line 4:

ATTORNEY DOCKET NUMBER:	04860.P31912	
NAME OF SUBMITTER:	UBMITTER: JAMES C. SCHELLER, REG. NO. 31,195	
SIGNATURE:	/James C. Scheller/	
DATE SIGNED:	01/27/2017	

**PATENT REEL: 041110 FRAME: 0352** 504201005

# Total Attachments: 12 source=P31912\_Assignment#page1.tif source=P31912\_Assignment#page2.tif source=P31912\_Assignment#page3.tif source=P31912\_Assignment#page4.tif source=P31912\_Assignment#page5.tif source=P31912\_Assignment#page6.tif source=P31912\_Assignment#page7.tif source=P31912\_Assignment#page8.tif source=P31912\_Assignment#page9.tif source=P31912\_Assignment#page10.tif source=P31912\_Assignment#page11.tif source=P31912\_Assignment#page11.tif

PATENT REEL: 041110 FRAME: 0353

ASSIGNMENT OF PATENT APPLICATION	Attorney Docket No.: 04860.P31912
For good and valuable consideration, the receipt an	id sufficiency of which is hereby
acknowledged, I/we, the undersigned, <u>Bartosz Ciechano</u>	wski, Bhaskar P. Sarma, William R.
Dahlberg, Eugene Bistolas, Olivier Gutknecht, Nathaniel F	Begeman .
hereby sell, assign, and transfer to Apple Inc.	
a <u>corporation</u> of <u>Ca</u> (Type of Assignee: e.g., corporation, company, partnership, university	lifornia v. etc.)
having a principal place of business at 1 Infinite Loop.	Cupertino, CA, 95014
("Assignee"), and its successors, assigns, and legal represe the United States and all foreign countries, in and to any ar disclosed in the application (provisional or non-provisional non-provisional application may have a declaration execute concurrently herewith and which application (provisional of	nd all inventions or improvements that are  1) for the United States patent which for the ed by the undersigned prior hereto or
LAYERS IN MESSAGING A	PPLICATIONS
said patent application also identified as follows (when kno	owa):
[I/we hereby authorize an attorney or agent for said number and filing date of said patent application w	
United States Patent Application Number 15/400,780	filed January 6, 2017
and in and to said application (provisional or non-provision provisional applications, utility applications, design applications applications, continued prosecution applications, continuati applications, renewal applications, reissue applications, ree applications that have been or shall be filed in the United Sinventions or improvements; and in and to all original pater certificates, and extensions, that have been or shall be issue countries on said inventions or improvements; and in and to filing of said United States application;	tions, divisional applications, continuation on-in-part applications, substitute xaminations, extensions, and all other patent tates and all foreign countries on any of said its, reissued patents, reexamination d in the United States and all foreign
agree that said Assignee may apply for and receive a improvements in its own name; and that, when requested, w Assignee, its successors, assigns, and legal representatives, purpose of this Assignment, the undersigned will execute all applications, utility applications, design applications, division continued prosecution applications, continuation-in-part applications, reissue applications, reexaminations, extension and all said inventions or improvements; execute all rightful and other papers; communicate to said Assignee, its success known to the undersigned relating to said inventions or improvemently assist said Assignee, its successors, assigns, or repproper patent protection for said inventions or improvement	vithout charge to, but at the expense of, said to carry out in good faith the intent and I provisional applications, non-provisional applications, continuation applications, plications, substitute applications, renewal as, and all other patent applications on any I oaths, assignments, powers of attorney, tors, assigns, and representatives all facts rovements and the history thereof; and presentatives in securing and maintaining

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

<u>10/13</u> , 20 <u>16</u>	Baton Gedranoulu
Date	Name: Bartosz Ciechanowski
Date	Name: Bhaskar P. Sarma
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Date	Name: William R. Dahlberg
, 20	
Date	Name: Eugene Bistolas
, 20	
Date	Name: Olivier Gutknecht
, 20	
Date	Name: Nathaniel Begeman

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
1279 Oakmead Parkway
Sunnyvale, CA 94085-4040
(408) 720-8300

ASSIGNMENT OF PATENT APPLICATION Attorney Docket No.: 04860.P31912
For good and valuable consideration, the receipt and sufficiency of which is hereby
acknowledged, I/we, the undersigned, Bartosz Ciechanowski, Bhaskar P. Sarma, William R.
Dahlberg, Eugene Bistolas, Olivier Gutknecht, Nathaniel Begeman
hereby sell, assign, and transfer to <u>Apple Inc.</u> ,
a <u>corporation</u> of <u>California</u> , (Type of Assignce: e.g., corporation, company, partnership, university, etc.)
having a principal place of business at 1 Infinite Loop, Cupertino, CA, 95014
("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which for the non-provisional application may have a declaration executed by the undersigned prior hereto or concurrently herewith and which application (provisional or non-provisional) is entitled
LAYERS IN MESSAGING APPLICATIONS
said patent application also identified as follows (when known):
[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]
United States Patent Application Number 15/400,780 filed January 6, 2017
and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;
agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or

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Each Inventor: Please Sign and Date Below:

	, 20	
Date 1/26	. 20 17	Name: Bartosz Ciechanowski
Date	20	Name: Bhaskar P. Sarma
Date	, 20	Name: William R. Dahlberg
Date	, 20	Name: Eugene Bistolas
Date	, 20	Name: Olivier Gutknecht
N	_, 20	57 57 2 7 Y
Date		Name: Nathaniel Begeman

Assignment Document Return Address: BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP 1279 Oakmead Parkway Sunnyvale, CA 94085-4040 (408) 720-8300

ASSIGNMENT OF PATENT APPLICATION	D. C. N. 040/0703040
	Attorney Docket No.: 04860,P31912
For good and valuable consideration, the receipt an	
acknowledged, I/we, the undersigned, Bartosz Ciechanov	
Dahlberg, Eugene Bistolas, Olivier Gutknecht, Nathaniel P	
hereby sell, assign, and transfer to Apple Inc.	
a <u>corporation</u> of <u>Ca</u> (Type of Assignee: e.g., corporation, company, partnership, university	lifornia v, etc.)
having a principal place of business at 1 Infinite Loop.	Cupertino, CA, 95014 ,
("Assignee"), and its successors, assigns, and legal represes the United States and all foreign countries, in and to any ar disclosed in the application (provisional or non-provisional non-provisional application may have a declaration execute concurrently herewith and which application (provisional concurrently herewith and concurrently	nd all inventions or improvements that are  i) for the United States patent which for the  ed by the undersigned prior hereto or
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continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or

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Date	and a variation	Name: Bartosz Ciechanowski
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Date 10/18 Date	.a 178	Name: Bhaskar P. Sarma
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ASSIGNMENT OF PATENT APPLICATION	Atterney Docket No.: 04860.P31912
For good and valuable consideration, the receipt a	
acknowledged, I/we, the undersigned, <u>Bartosz Ciechane</u>	
Dahlberg, Eugene Bistolas, Olivier Gutknecht, Nathaniel	
hereby sell, assign, and transfer to Apple Inc.	
a <u>corporation</u> of <u>C</u> (Type of Assignee: e.g., corporation, company, partnership, universi	alifornia 1y, etc.)
having a principal place of business at 1 Infinite Loop	
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Rev. 1/08/2010

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hereby sell, assign, and transfer to <u>Apple Inc.</u> ,	
a <u>corporation</u> of <u>California</u> , (Type of Assignee: e.g., corporation, company, partnership, university, etc.)	
having a principal place of business at <u>1 Infinite Loop, Cupertino, CA, 95014</u> ,	
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		Sign <u>and Date</u> Below:
Date	_, 20	Name: Bortosz Ciechanowski
71	_, 20	Name: Bhaskar P. Sarma
Date		
Date		Name: William R. Dahlberg
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Date	_, 20	Name: Olivier Gutknecht
12/15	_, 20 <u> </u>	Name: Olivier Gutknecht  Name: Nathaniel Begentun
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		Assignment Document Return Address: BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP 1279 Onkmend Parkway Sunnyvale, CA 94085-4040 (408) 720-8300