

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Benoit Chevallier-Mames</td> <td>08/28/2013</td> </tr> <tr> <td>Mathieu Ciet</td> <td>08/28/2013</td> </tr> <tr> <td>Thomas Icart</td> <td>08/28/2013</td> </tr> <tr> <td>Bruno Kindarji</td> <td>08/29/2013</td> </tr> <tr> <td>Augustin J. Farrugia</td> <td>08/30/2013</td> </tr> </tbody> </table>		Name	Execution Date	Benoit Chevallier-Mames	08/28/2013	Mathieu Ciet	08/28/2013	Thomas Icart	08/28/2013	Bruno Kindarji	08/29/2013	Augustin J. Farrugia	08/30/2013
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<table border="1"> <tr> <td>Name:</td> <td>Apple Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1 Infinite Loop</td> </tr> <tr> <td>City:</td> <td>Cupertino</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95014</td> </tr> </table>		Name:	Apple Inc.	Street Address:	1 Infinite Loop	City:	Cupertino	State/Country:	CALIFORNIA	Postal Code:	95014		
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CORRESPONDENCE DATA													
<p>Fax Number: 4087208383 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 408-720-8300 Email: juanita_briscoe@bstz.com Correspondent Name: James C. Scheller Address Line 1: 1279 Oakmead Parkway Address Line 2: Blakely, Sokoloff, Taylor & Zafman LLP Address Line 4: Sunnyvale, CALIFORNIA 94085</p>													
ATTORNEY DOCKET NUMBER:	04860.P18266												
NAME OF SUBMITTER:	James C. Scheller												

CH \$40.00 14015523

Signature:	/James C. Scheller/
Date:	09/04/2013
Total Attachments: 4 source=P18266_Assignment#page1.tif source=P18266_Assignment#page2.tif source=P18266_Assignment#page3.tif source=P18266_Assignment#page4.tif	

ASSIGNMENT OF PATENT APPLICATION

Attorney Docket No.: 04860.P18266

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the undersigned, Benoit Chevallier-Mames, Mathieu Ciet, Thomas Icart, Bruno Kindarji, Augustin J. Farrugia

hereby sell, assign, and transfer to Apple Inc.,

a corporation of California,

(Type of Assignee: 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

**PRECOMPUTING INTERNAL AES STATES IN COUNTER MODE TO PROTECT KEYS
USED IN AES COMPUTATIONS**

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 14/015,523 filed August 30, 2013,


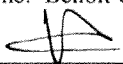


and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute 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 improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

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>07/27</u> , 20 <u>13</u> Date	<u></u> Name: Benoit Chevallier-Mames
<u>08/28</u> , 20 <u>13</u> Date	<u></u> Name: Mathieu Ciet
<u>08/28</u> , 20 <u>13</u> Date	<u></u> Name: Thomas Icart
<u>08/29</u> , 20 <u>13</u> Date	<u></u> Name: Bruno Kindarji
_____, 20____ Date	_____ Name: Augustin J. Farrugia

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

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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 improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

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.

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