

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Augustin J. FARRUGIA</td> <td>08/29/2009</td> </tr> <tr> <td>Bertrand MOLLINIER TOUBLET</td> <td>08/29/2009</td> </tr> <tr> <td>Gianpaolo FASOLI</td> <td>08/26/2009</td> </tr> <tr> <td>Jill SURDZIAL</td> <td>08/25/2009</td> </tr> <tr> <td>Mathieu CIET</td> <td>08/28/2009</td> </tr> </tbody> </table>		Name	Execution Date	Augustin J. FARRUGIA	08/29/2009	Bertrand MOLLINIER TOUBLET	08/29/2009	Gianpaolo FASOLI	08/26/2009	Jill SURDZIAL	08/25/2009	Mathieu CIET	08/28/2009
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CORRESPONDENCE DATA													
<p>Fax Number: (650)494-0792 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (650) 813-5850 Email: bdabalos@mofo.com Correspondent Name: Norman R. KLIVANS Address Line 1: Morrison & Foerster LLP Address Line 2: 755 Page Mill Road Address Line 4: Palo Alto, CALIFORNIA 94304-1018</p>													
ATTORNEY DOCKET NUMBER:	106842033000												
NAME OF SUBMITTER:	Norman R. Klivans												

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PATENT
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Total Attachments: 4

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**ASSIGNMENT
JOINT**

THIS ASSIGNMENT, by **Augustin J. FARRUGIA, Bertrand MOLLINIER TOUBLET, Gianpaolo FASOLI, Mathieu CIET and Jill SURDZIAL**, each having a post office address at **c/o Apple Inc., 1 Infinite Loop, Cupertino, California 95014, US**, (hereinafter referred to as the assignors), witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in **ZERO-
KNOWLEDGE BASED AUTHENTICATION METHOD, SYSTEM, AND APPARATUS**, set forth in an application for Letters Patent of the United States, and (check all that apply)

- ☒ having an oath or declaration executed on even date herewith;
- ☐ that was filed on _____ as U.S. Patent Application No. _____;
- ☐ which is a nonprovisional of U.S. Provisional Application No. _____ filed on _____; and

WHEREAS, **APPLE INC.**, a corporation duly organized under and pursuant to the laws of the State of California, and having its principal place of business at **1 Infinite Loop, Cupertino, California 95014, US** (hereinafter referred to as the assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all provisionals, divisions, continuations and continuations-in-part of said application, or reissues or 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 said assignee, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignors are the sole and lawful owner of the entire right, title and interest in and to said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successor, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters


Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use of said assignee, its successors, legal representatives and assigns.

The Undersigned hereby grant(s) the practitioners at Customer Number: 77705,

all of Morrison & Foerster LLP and Apple Inc., 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 here in parentheses (Application number 12/551,172, filed August 31, 2009) the application number and filing date of said application when known.

08-29-2009
Date


Augustin J. FARRUGIA
Assignor

08.29. 2009
Date


Bertrand MOULINIER TOUBLET
Assignor

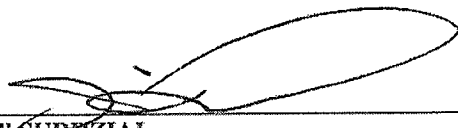
08/26/2009
Date


Gianpaolo FASOLI
Assignor

Date

Mathieu CIET
Assignor

25. AUG. 2009
Date


Jill SURDZIAL
Assignor

ASSIGNMENT JOINT

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Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

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Augustin J. FARRUGIA
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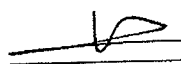
Bertrand MOLLINIER TOUBLET
Assignor

Date

Gianpaolo FASOLI
Assignor

08/28/2009

Date


Mathieu CIET
Assignor

Date

Jill SURDZIAL
Assignor