PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:		NEW ASSIGNMENT					
NATURE OF CONVEYANCE:		ASSIGNMENT					
CONVEYING PARTY DATA							
N			ame	Execution Date			
Pierre BETOUIN				05/07/2009			
Mathieu CIET				05/07/2009			
Augustin J. FARRUGIA				05/07/2009			
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 Cr				
Application Number: 12434		12434	Number 000000000000000000000000000000000000		24.3		
CORRESPONDENCE DATA 8 Fax Number: (415)814-6165							
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.							
Phone: 415-814-6161							
Email: amy.drury@novakdruce.com							
Correspondent Name: Novak Druce + Quigg LLP							
Address Line 1: 525 Market Street, Suite 3750 Address Line 4: San Francisco, CALIFORNIA 94105							
ATTORNEY DOCKET NUMBER:			8802.037.NPUS00				
NAME OF SUBMITTER:			Tracy W. Druce				
Total Attachments: 4 source=8802_037_NPUS00_Assignment#page1.tif source=8802_037_NPUS00_Assignment#page2.tif							

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> PATENT REEL: 022747 FRAME: 0350

ASSIGNMENT (JOINT)

THIS ASSIGNMENT, by **Pierre BETOUIN**, residing at 140 rue d'Aguesseau, Boulogne, France 92100; **Mathieu CIET**, residing at 94 Rue Broca, 75013, Paris, France; and **Augustin J. FARRUGIA**, residing at 10411 Tula Lane, Cupertino, California 95014; (hereinafter referred to collectively as the "Assignors"), witnesseth:

WHEREAS, said Assignors have invented certain new and useful improvements in: **SYSTEMS**, **METHODS, AND COMPUTER-READABLE MEDIA FOR FERTILIZING MACHINE-EXECUTABLE CODE**, set forth in an application for Letters Patent of the United States filed on or about May 1, 2009 as Application Serial No. 12/434,300.

WHEREAS, **APPLE INC.**, a corporation duly organized under and pursuant to the laws of the State of California, and having a principal place of business at 1 Infinite Loop, Cupertino, California 95014-2084 (hereinafter referred to as the "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions and applications 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, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, said Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said Assignee, its successors, legal representatives and assigns, Assignors' interest in 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 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 behalf and the use and behalf 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 lawful owners of the entire right, title and interest in and to said invention and the application for Letters Patent above mentioned, and that the same is 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 successors, 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, but at

IN WITNESS WHEREOF, Assignors have thus set their hands on the dates below written.

Date: 05/07 , 2009	Signature:
Date: <u>05-07</u> ,2009	Signature: Mathieu CIET
Date:, 2009	Signature:Augustin J. FARRUGIA

ASSIGNMENT (JOINT)

THIS ASSIGNMENT, by Pierre BETOUIN, residing at 140 rue d'Aguesseau, Boulogne, France 92100; Mathieu CIET, residing at 94 Rue Broca, 75013, Paris, France; and Augustin J. FARRUGIA, residing at 10411 Tula Lane, Cupertino, California 95014; (hereinafter referred to collectively as the "Assignors"), witnesseth:

WHEREAS, said Assignors have invented certain new and useful improvements in: SYSTEMS, METHODS, AND COMPUTER-READABLE MEDIA FOR FERTILIZING MACHINE-EXECUTABLE CODE, set forth in an application for Letters Patent of the United States filed on or about May 1, 2009 as Application Serial No. 12/434,300.

WHEREAS, APPLE INC., a corporation duly organized under and pursuant to the laws of the State of California, and having a principal place of business at 1 Infinite Loop, Cupertino, California 95014-2084 (hereinafter referred to as the "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions and applications 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, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, said Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said Assignee, its successors, legal representatives and assigns, Assignors' interest in 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 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 behalf and the use and behalf 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 lawful owners of the entire right, title and interest in and to said invention and the application for Letters Patent above mentioned, and that the same is 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 successors, 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, but at

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IN WITNESS WHEREOF, Assignors have thus set their hands on the dates below written.

Date:	2009	Signature:
		Pierre BETOUIN
Date:	2009	Signature:
Date: 05.07. 629	2009	Signature:

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RECORDED: 05/28/2009