

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>Alec H. Little</td> <td>06/27/2013</td> </tr> <tr> <td>Eli T. Manjarrez</td> <td>06/27/2013</td> </tr> </tbody> </table>		Name	Execution Date	Alec H. Little	06/27/2013	Eli T. Manjarrez	06/27/2013
Name	Execution Date						
Alec H. Little	06/27/2013						
Eli T. Manjarrez	06/27/2013						
RECEIVING PARTY DATA							
Name:	APPLE INC.						
Street Address:	1 Infinite Loop						
City:	Cupertino						
State/Country:	CALIFORNIA						
Postal Code:	95014						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13787738</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13787738		
Property Type	Number						
Application Number:	13787738						
CORRESPONDENCE DATA							
Fax Number:	6503262422						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	650-326-2400						
Email:	lgilday@kilpatricktownsend.com						
Correspondent Name:	Kilpatrick Townsend & Stockton						
Address Line 1:	Two Embarcadero Center, 8th Floor						
Address Line 4:	San Francisco, CALIFORNIA 94111						
ATTORNEY DOCKET NUMBER:	90911-P13518US1-834387						
NAME OF SUBMITTER:	Justin J. Eureka						
Signature:	/Justin J. Eureka/						
Date:	07/19/2013						
Total Attachments: 1 source=P13518US1_Assignment#page1.tif							

OP \$40.00 13787738

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Alec H. Little of Woodside, CA; and Eli T. Manjarrez of Sunnyvale CA, 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: DETERMINING THE CHARACTERISTIC OF A PLAYED NOTE ON A VIRTUAL INSTRUMENT

Filing Date: March 6, 2013

Application No.: 13/787,738; and

WHEREAS, Apple Inc., a California corporation, 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 does 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 any patent application claiming priority from 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.

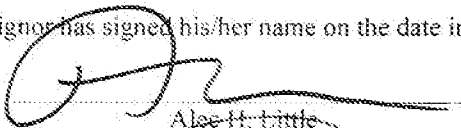
Assignors further agree that Assignors will, without charge to Assignors, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including 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.

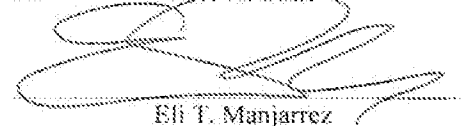
Assignor hereby authorizes and requests Kilpatrick Townsend & Stockton LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Dated: 6/27/2013

Dated: 6/27/2013


Alec H. Little


Eli T. Manjarrez

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