

## PATENT ASSIGNMENT

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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>Arvinth Krishnaswamy</td><td>03/06/2013</td></tr><tr><td>David T. Yeh</td><td>03/06/2013</td></tr><tr><td>Juha O. Merimaa</td><td>03/06/2013</td></tr><tr><td>Sean A. Ramprashad</td><td>03/06/2013</td></tr></tbody></table>	Name	Execution Date	Arvinth Krishnaswamy	03/06/2013	David T. Yeh	03/06/2013	Juha O. Merimaa	03/06/2013	Sean A. Ramprashad	03/06/2013	
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RECEIVING PARTY DATA											
<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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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>13790380</td></tr></tbody></table>	Property Type	Number	Application Number:	13790380							
Property Type	Number										
Application Number:	13790380										
CORRESPONDENCE DATA											
Fax Number: 2127158000 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: (212) 715-9100 Email: klpatent@kramerlevin.com Correspondent Name: Kenneth Kwan Address Line 1: 1177 Avenue of the Americas Address Line 2: KRAMER LEVIN NAFTALIS & FRANKEL LLP Address Line 4: New York, NEW YORK 10036											
ATTORNEY DOCKET NUMBER:	104677/12841 (P15250US1)										
NAME OF SUBMITTER:	Daniel G. Harris										
Total Attachments: 3 source=2013-03-08_Assignment#page1.tif source=2013-03-08_Assignment#page2.tif source=2013-03-08_Assignment#page3.tif											

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PATENT  
REEL: 029951 FRAME: 0466

ASSIGNMENT

WHEREAS, We, Arvinth Krishnaswamy, David T. Yeh, Juha O. Merimaa, and Sean A. Ramprashad, citizens of the United States of America, the United States of America, Finland, and the United States of America, respectively, residing in San Jose, California, San Jose, California, ~~Menlo Park~~ <sup>Redwood City</sup>, California, <sup>3/6/2013</sup> and Los Altos, California, respectively, and having post office addresses at 1 Infinite Loop, Cupertino, California 95014, have made an invention entitled:

**SYSTEMS AND METHODS FOR DETERMINING  
THE CONDITION OF MULTIPLE MICROPHONES**

the specification of which was filed as US Patent Application No. \* 13/790,380 on \* March 8, 2013;

WHEREAS, Apple Inc., a corporation organized and existing under the laws of California and having an office and place of business at 1 Infinite Loop, Cupertino, California 95014 is desirous of acquiring the entire interest in said invention, said United States patent application and in any Letters Patent which may issue thereon;

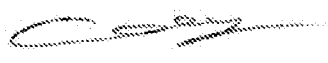
NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) paid to us, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto the said APPLE INC., its successors, assigns and legal representatives, all right, title and interest in and to said invention and any improvements thereon for all countries of the world, and in and to said United States patent application, including any continuations, continuations-in-part, and divisions thereof, and any substitute applications therefor,

\*I hereby authorize "Apple Inc." and its representatives to insert in this instrument the US Patent Application Number and Filing Date of said application when "Apple Inc." is officially notified thereof.

and any patents which may issue thereon, and any reissues of the same, and including the right to claim priority under the International Convention based on said patent application; and all right, title and interest in and to every patent application filed or to be filed on said invention in any other country, including renewals, revivals, continuations, continuations-in-part, and divisions thereof, and any substitute applications therefor, and any and all patents which may issue thereon, and any reissues and extensions of the same; and we hereby authorize and request competent authorities to grant and issue any and all patents on said invention to the said APPLE INC., as the assignee of the entire interest therein; and we further agree to execute upon request of the assignee such additional documents, if any, as are necessary and proper to secure patent protection on said invention throughout all countries of the world, and to otherwise give full effect to and perfect the rights of the assignee under this Assignment.

IN TESTIMONY WHEREOF, we have hereunto signed our names on the dates indicated hereinafter.

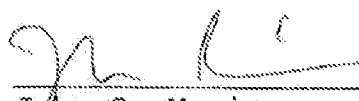
3/6/13  
Date

  
Arvinth Krishnaswamy

3/6/2013  
Date

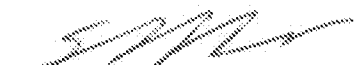
  
David T. Yeh

3/6/2013  
Date

  
Juha O. Merimaa

3/6/2013

Date



Sean A. Ramprashad