

## 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>Gordon R. Dix</td> <td>12/13/2011</td> </tr> <tr> <td>Justin Derry Crosby</td> <td>12/13/2011</td> </tr> <tr> <td>Martin E. Johnson</td> <td>12/13/2011</td> </tr> <tr> <td>Michael Kai Morishita</td> <td>12/13/2011</td> </tr> </tbody> </table>	Name	Execution Date	Gordon R. Dix	12/13/2011	Justin Derry Crosby	12/13/2011	Martin E. Johnson	12/13/2011	Michael Kai Morishita	12/13/2011	
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Gordon R. Dix	12/13/2011										
Justin Derry Crosby	12/13/2011										
Martin E. Johnson	12/13/2011										
Michael Kai Morishita	12/13/2011										
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>13327649</td> </tr> </tbody> </table>	Property Type	Number	Application Number:	13327649							
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Application Number:	13327649										
CORRESPONDENCE DATA											
Fax Number:	(310)820-5988										
Phone:	310-207-3800										
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP										
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ATTORNEY DOCKET NUMBER:	4860P12537										
NAME OF SUBMITTER:	Stacie J. Sundquist										
Total Attachments: 2 source=P12537_Assignment_Signed#page1.tif source=P12537_Assignment_Signed#page2.tif											

CH \$40.00 13327649

**ASSIGNMENT OF PATENT APPLICATION**

Attorney Docket No.: 4860P12537

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the undersigned, Gordon R. Dix; Justin Derry Crosby; Martin E. Johnson;  
Michael Kai Morishita,  
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 may have a declaration executed by the undersigned prior hereto or concurrently herewith and is entitled

**EXTENDED DUCT WITH DAMPING FOR IMPROVED SPEAKER PERFORMANCE**

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 13/327649 filed 12/15/2011,

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:

12/17, 20 11  
Date

[Signature]  
Name: Gordon R. Dix

12/13, 20 11  
Date

[Signature]  
Name: Justin Derry Crosby

12/13, 20 11  
Date

[Signature]  
Name: Martin E. Johnson

12/13, 20 11  
Date

[Signature]  
Name: Michael Kai Morishita

\_\_\_\_\_, 20 \_\_\_\_  
Date

\_\_\_\_\_  
Name:

\_\_\_\_\_, 20 \_\_\_\_  
Date

\_\_\_\_\_  
Name:

\_\_\_\_\_, 20 \_\_\_\_  
Date

\_\_\_\_\_  
Name:

Assignment Document Return Address:  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
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(408) 720-8300