

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Preminder Singh</td> <td>04/23/2013</td> </tr> <tr> <td>Date Jan Willem Noorlag</td> <td>04/22/2013</td> </tr> <tr> <td>Sung Wook Kang</td> <td>04/16/2013</td> </tr> </tbody> </table>	Name	Execution Date	Preminder Singh	04/23/2013	Date Jan Willem Noorlag	04/22/2013	Sung Wook Kang	04/16/2013	
Name	Execution Date								
Preminder Singh	04/23/2013								
Date Jan Willem Noorlag	04/22/2013								
Sung Wook Kang	04/16/2013								
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								
Application Number:	13868540								
CORRESPONDENCE DATA									
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Correspondent Name:	Meyertons, Hood, Kivlin, Kowert & G (App								
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ATTORNEY DOCKET NUMBER:	8888-07300								
NAME OF SUBMITTER:	Gareth M. Sampson								
Signature:	/ Gareth M. Sampson /								
Date:	04/23/2013								
Total Attachments: 2 source=P17368US1_ASSIGN_042313_8888-07300#page1.tif source=P17368US1_ASSIGN_042313_8888-07300#page2.tif									

CH \$40.00 13868540

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned does hereby:

SELL, ASSIGN AND TRANSFER to Apple Inc. (the "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of California, and having its principal place of business at 1 Infinite Loop, Cupertino, CA 95014, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and is entitled CONTINUOUS VOLTAGE PRODUCT BINNING, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

COVENANT AND AGREE that the above is and will be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assigns.

(Signature) 
Name: Preminder Singh

Date: 23rd April 2013

(Signature) Date Jan Willem Noorlag
Name: Date Jan Willem Noorlag

Date: April 22, 2013

(Signature) 
Name: Sung Wook Kang

Date: 04/22/2013

Customer No. 81310
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