

## 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>Marcel van Os</td> <td>12/05/2012</td> </tr> <tr> <td>Emanuele Vulcano</td> <td>12/04/2012</td> </tr> <tr> <td>Christopher Blumenberg</td> <td>12/04/2012</td> </tr> <tr> <td>Bradford A. Moore</td> <td>12/04/2012</td> </tr> </tbody> </table>		Name	Execution Date	Marcel van Os	12/05/2012	Emanuele Vulcano	12/04/2012	Christopher Blumenberg	12/04/2012	Bradford A. Moore	12/04/2012
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<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											
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CORRESPONDENCE DATA											
<p>Fax Number: 3104429330  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 310-442-9300        Email: mail@adelitollen.com        Correspondent Name: Mani Adeli        Address Line 1: 11859 Wilshire Blvd, Suite 500        Address Line 4: Los Angeles, CALIFORNIA 90025</p>											
ATTORNEY DOCKET NUMBER:	APLE.P0418										
NAME OF SUBMITTER:	Mani Adeli										
<p>Total Attachments: 3        source=APLE_P418_assignment#page1.tif        source=APLE_P418_assignment#page2.tif        source=APLE_P418_assignment#page3.tif</p>											

OP \$40.00 13632110

ASSIGNMENT

APLE.P0418  
P15127US6

WHEREAS, we, Marcel van Os, residing in San Francisco, CA, Emanuele Vulcano, residing in San Francisco, CA, Christopher Blumenberg, residing in San Francisco, CA, and Bradford A. Moore, residing in San Francisco, CA, have made an invention entitled: Route Display and Review and have made application for United States Letters Patent therefor, the same having been filed in the United States Patent and Trademark Office on 9/30/2012 as United States Application No. 13/632,110; and

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, United States of America, is desirous of acquiring the entire interest in said invention, said United States Patent Application, and in any Letters Patent which may be entitled to the benefit thereof;

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) to each of us paid, and other good and valuable consideration, the receipt and sufficiency of which are 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 nonprovisional patent application claiming the benefit thereof and any continuations and divisions thereof, and any substitute applications therefor, 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 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; 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 date(s) indicated hereinafter:

Date: 12.5.12

Signature: Marcel van Os

Date:

Signature: Emanuele Vulcano

Date:

Signature: Christopher Blumenberg

Date:

Signature: Bradford A. Moore

ASSIGNMENT

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Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Marcel van Os

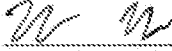
Date: 12/4/12 \_\_\_\_\_

Signature:  \_\_\_\_\_  
Emanuele Vulcano

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Christopher Blumenberg

Date: 12/4/12 \_\_\_\_\_

Signature:  \_\_\_\_\_  
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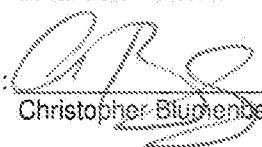
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Signature: \_\_\_\_\_  
Marcel van Os

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