

## 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>Paul Rashidi</td> <td>10/30/2012</td> </tr> <tr> <td>Jeanne Mackin</td> <td>10/31/2012</td> </tr> <tr> <td>Mark Kelly</td> <td>12/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	Paul Rashidi	10/30/2012	Jeanne Mackin	10/31/2012	Mark Kelly	12/10/2012		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>FMR LLC</td> </tr> <tr> <td>Street Address:</td> <td>82 Devonshire Street</td> </tr> <tr> <td>City:</td> <td>Boston</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02109</td> </tr> </table>		Name:	FMR LLC	Street Address:	82 Devonshire Street	City:	Boston	State/Country:	MASSACHUSETTS	Postal Code:	02109
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PROPERTY NUMBERS Total: 2											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13623702</td> </tr> <tr> <td>Application Number:</td> <td>13675914</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13623702	Application Number:	13675914				
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Application Number:	13675914										
CORRESPONDENCE DATA											
<p>Fax Number: 6175269899  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 617.526.9600        Email: oandrews@proskauer.com        Correspondent Name: Proskauer Rose LLP        Address Line 1: One International Place        Address Line 4: Boston, MASSACHUSETTS 02110</p>											
ATTORNEY DOCKET NUMBER:	FID-073/FID-073C1										
NAME OF SUBMITTER:	Brenda Flockhart-Shanks										
<p>Total Attachments: 7        source=FID-073#page1.tif</p>											

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**ASSIGNMENT**

WHEREAS, I, Paul Rashidi, have invented one or more inventions described in an application (or provisional application) for Letters Patent of the United States entitled:

**METHOD AND SYSTEM ENABLING A FIRST COMPUTING DEVICE TO INSTRUCT A SECOND  
COMPUTING DEVICE TO DISPLAY DATA**

and identified by

☒ Attorney Docket No. FID-073;

☒ Application No. 13/623,702 filed in the United States Patent Office on September 20, 2012; and

WHEREAS, FMR LLC (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State/Commonwealth of Delaware, and having a usual place of business at 82 Devonshire Street, Boston, Massachusetts 02109, desires to acquire an interest therein, in accordance with agreements duly entered into with me;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with my entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such Letters Patent, and any right, title and interest I may have in provisional applications to which said application claims priority; said invention(s), applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made; I hereby convey all of my rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. I hereby acknowledge that this assignment, being of my entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE in its own name as assignee of my entire right, title and interest therein;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional,

substitution, continuation, divisional, reissue, reexamination, or corresponding foreign or international patent applications;

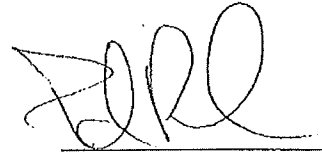
AND, I hereby further agree to provide statements or testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved;

AND, I hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on the date of my execution of this assignment;

AND, I hereby authorize and request the Director of the United States Patent and Trademark Office to issue such Letters Patent as shall be granted upon said application, or applications based thereon, to said ASSIGNEE, its successors, assigns, or legal representatives.

*IN TESTIMONY WHEREOF*, I have hereunto set my hand-and affixed my seal on the date set forth below.

Inventor:

  
10/30/12  
Paul Rashidi

**NOTARIZATION**

State/Commonwealth of \_\_\_\_\_  
County of \_\_\_\_\_

)  
) ss

On this \_\_\_\_ day of \_\_\_\_\_, 2012 before me, the undersigned notary public, personally appeared Paul Rashidi, proved to me through satisfactory evidence of identification, which were \_\_\_\_\_, to be the person whose name is signed on the preceding or attached document in my presence.

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

**WITNESS**

Witness Signature: \_\_\_\_\_

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

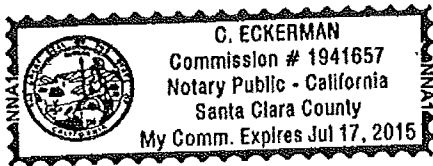
Witness Date: \_\_\_\_\_

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Santa Clara

On Oct. 30, 2012 before me, C. Eckerman, Notary Public  
Date Here Insert Name and Title of the Officer  
personally appeared Paul Rashidi  
Name(s) of Signer(s)



who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature C. Eckerman  
Signature of Notary Public

Place Notary Seal Above

## OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

### Description of Attached Document

Title or Type of Document: Assignment  
Document Date: Oct. 30, 2012 Number of Pages: two  
Signer(s) Other Than Named Above: none

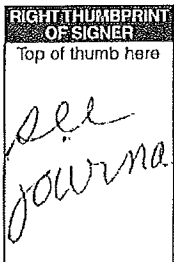
### Capacity(ies) Claimed by Signer(s)

Signer's Name: Paul Rashidi

- ☒ Individual  
☐ Corporate Officer — Title(s): \_\_\_\_\_  
☐ Partner — ☐ Limited ☐ General  
☐ Attorney in Fact  
☐ Trustee  
☐ Guardian or Conservator  
☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

self

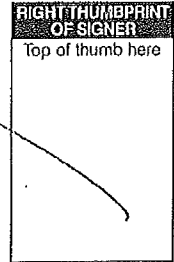


Signer's Name: \_\_\_\_\_

- ☐ Individual  
☐ Corporate Officer — Title(s): \_\_\_\_\_  
☐ Partner — ☐ Limited ☐ General  
☐ Attorney in Fact  
☐ Trustee  
☐ Guardian or Conservator  
☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

\_\_\_\_\_



Attorney Docket No. FID-073

ASSIGNMENT

WHEREAS, I, Jeanne Mackin, have invented one or more inventions described in an application (or provisional application) for Letters Patent of the United States entitled:

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NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with my entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such Letters Patent, and any right, title and interest I may have in provisional applications to which said application claims priority; said invention(s), applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made; I hereby convey all of my rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. I hereby acknowledge that this assignment, being of my entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE in its own name as assignee of my entire right, title and interest therein;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional,

PATENT

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Sole Assignment.  
Attorney Docket No. FID-073  
U.S. Application No. 13/623,702  
Page 2 of 2.

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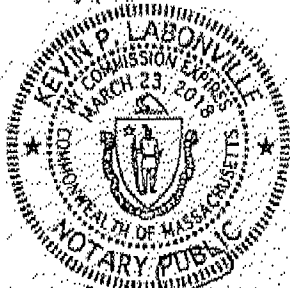
Inventor:

Jeanne Mackin  
Jeanne Mackin.

#### NOTARIZATION

State/Commonwealth of )  
County of NORFOLK ) ss

On this 31<sup>st</sup> day of OCTOBER, 2012 before me, the undersigned notary public, personally appeared Jeanne Mackin, proved to me through satisfactory evidence of identification, which were VALID MASS. DRIV. LIC., to be the person whose name is signed on the preceding or attached document in my presence.



[Signature]  
Notary Public

My Commission Expires: 03/23/18

#### WITNESS

Witness Signature: [Signature]

Witness Name: Yvonne Ruggies

Witness Date: 10/31/12

Attorney Docket No. FID-073

**ASSIGNMENT**

WHEREAS, I, Mark Kelly, have invented one or more inventions described in an application (or provisional application) for Letters Patent of the United States entitled:

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**IN TESTIMONY WHEREOF**, I have hereunto set my hand-and affixed my seal on the date set forth below.

Inventor:

Mark Kelly  
Mark Kelly

**NOTARIZATION**

State/Commonwealth of Texas )  
County of Tarrant ) ss

On this 10 day of December, 2012 before me, the undersigned notary public, personally appeared Mark Kelly, proved to me through satisfactory evidence of identification, which were MARK KELLY, to be the person whose name is signed on the preceding or attached document in my presence.

[Signature]  
Notary Public

My Commission Expires: 9-26-14

**WITNESS**

Witness Signature: [Signature]

Witness Name: VASUDEVAJ SAMPATH

Witness Date: 12/10/2012

