### 503170381 02/08/2015

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3216996

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
DAVID NIALL O'BYRNE	02/06/2013
ALAA ABDULKHALEQ SAEED	02/07/2013
ASHVIN PARKASH	01/29/2013
WYATT ALEXANDER FLORES	01/29/2013
VANDERLEI CARDOSO DA SILVA	01/29/2013
ORI ANAVIM	01/29/2013
KUMARAVEL KANNAN NAGARAJAN	01/30/2013
ANDREW ROBERT BLACKMAN	01/29/2013
NAVEENPRASAD SUBBIYAN	02/05/2013
KRISHNARAJ RAJAGOPALAN	01/30/2013
LAURA KRYSTYNA LINGARD TURNER	01/30/2013

### **RECEIVING PARTY DATA**

Name:	CITIBANK, N.A.
Street Address:	399 PARK AVENUE
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10022

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14615113

### CORRESPONDENCE DATA

**Fax Number:** (240)359-4879

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

**Phone:** 912-257-4864

Email:csullivan@jmi-iplaw.comCorrespondent Name:JOHN M. HARRINGTONAddress Line 1:317A EAST LIBERTY ST.

Address Line 2: JOHNSON, MARCOU & ISAACS, LLC

Address Line 4: SAVANNAH, GEORGIA 31401

PATENT

NAME OF SUBMITTER:	COLLEEN F. SULLIVAN
SIGNATURE:	/Colleen F. Sullivan/
DATE SIGNED:	02/08/2015

**Total Attachments: 44** source=CITI 0732 Signed Assignments#page1.tif source=CITI 0732 Signed Assignments#page2.tif source=CITI 0732 Signed Assignments#page3.tif source=CITI 0732 Signed Assignments#page4.tif source=CITI 0732 Signed Assignments#page5.tif source=CITI 0732 Signed Assignments#page6.tif source=CITI\_0732\_Signed\_Assignments#page7.tif source=CITI\_0732\_Signed\_Assignments#page8.tif source=CITI 0732 Signed Assignments#page9.tif source=CITI 0732 Signed Assignments#page10.tif source=CITI\_0732\_Signed\_Assignments#page11.tif source=CITI 0732 Signed Assignments#page12.tif source=CITI 0732 Signed Assignments#page13.tif source=CITI 0732 Signed Assignments#page14.tif source=CITI 0732 Signed Assignments#page15.tif source=CITI 0732 Signed Assignments#page16.tif source=CITI 0732 Signed Assignments#page17.tif source=CITI 0732 Signed Assignments#page18.tif source=CITI 0732 Signed Assignments#page19.tif source=CITI 0732 Signed Assignments#page20.tif source=CITI 0732 Signed Assignments#page21.tif source=CITI 0732 Signed Assignments#page22.tif source=CITI 0732 Signed Assignments#page23.tif source=CITI 0732 Signed Assignments#page24.tif source=CITI\_0732\_Signed\_Assignments#page25.tif source=CITI 0732 Signed Assignments#page26.tif source=CITI 0732 Signed Assignments#page27.tif source=CITI 0732 Signed Assignments#page28.tif source=CITI\_0732\_Signed\_Assignments#page29.tif source=CITI 0732 Signed Assignments#page30.tif source=CITI 0732 Signed Assignments#page31.tif source=CITI\_0732\_Signed\_Assignments#page32.tif source=CITI\_0732\_Signed\_Assignments#page33.tif source=CITI 0732 Signed Assignments#page34.tif source=CITI 0732 Signed Assignments#page35.tif source=CITI 0732 Signed Assignments#page36.tif source=CITI 0732 Signed Assignments#page37.tif source=CITI 0732 Signed Assignments#page38.tif

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WHEREAS, we, **DAVID NIALL O'BYRNE**, a citizen of Ireland, residing at 23-22, 10 Gopeng Street, Tanjong Pagar, Singapore 078878, ALAA ABDULKHALEQ SAEED, a citizen of Bahrain, residing at 118, 1 Fairmont Avenue, New Providence Wharf, London E14 9PL, United Kingdom, ASHVIN PARKASH, a citizen of the United Kingdom, residing at 19 Trueman Road, Kenley, Surrey CR8 5GL, United Kingdom, WYATT ALEXANDER **FLORES**, a citizen of the United States of America, residing at 400 Chambers St., Apt. 9U, New York, New York 10282, United States of America, VANDERLEI CARDOSO DA SILVA, a citizen of the United States of America, residing at 20 Hedden Pl., New Providence, New Jersey 07974, United States of America, **ORI ANAVIM**, a citizen of Israel, residing at 135 Willow Street, Apt. 712, Brooklyn, New York 11201, United States of America, KUMARAVEL KANNAN NAGARAJAN, a citizen of the United States of America, residing at 10 Bateman Way, Hillsborough, New Jersey 08844, United States of America, ANDREW ROBERT BLACKMAN, a citizen of the United Kingdom, residing at 134 New Road, Chilworth, Guildford, Surrey GU4 8LX, United Kingdom, NAVEENPRASAD SUBBIYAN, a India, residing at 143 Ocean Wharf, 60 Westferry Road, London E14 8JE, United Kingdom, KRISHNARAJ RAJAGOPALAN, a citizen of India, residing at 4 Fawn Road, Plaistow, London E13 9BL, United Kingdom, and LAURA KRYSTYNA LINGARD TURNER, a citizen of the United Kingdom, residing at 101 Adelaide Road, London W13 9ED, United Kingdom have invented certain inventions and improvements disclosed in a patent application entitled "METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE," filed in the United States Patent and Trademark Office on 2/14/2013 and assigned U.S. Patent Application No. 13/767, 126, and

WHEREAS, Citibank, N.A., having an address of 399 Park Avenue, New York, New York 10022, USA, is desirous of acquiring an interest in the same.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which we hereby acknowledge, we, **DAVID NIALL O'BYRNE**, **ALAA ABDULKHALEQ** 

PATENT Page 1 of 4

"METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE"

SAEED, ASHVIN PARKASH, WYATT ALEXANDER FLORES, VANDERLEI

CARDOSO DA SILVA, ORI ANAVIM, KUMARAVEL KANNAN NAGARAJAN,

ANDREW ROBERT BLACKMAN, NAVEENPRASAD SUBBIYAN, KRISHNARAJ

RAJAGOPALAN, and LAURA KRYSTYNA LINGARD TURNER, and by these presents

do sell, assign, and transfer to Citibank, N.A. the full, exclusive, and entire right, title, and

interest in and to said patent application, in and to any non-provisionals, divisions, continuations,

reexaminations, and reissues thereof, and in and to all inventions and improvements disclosed

and described in said patent application;

For the same consideration, we, by these presents, do sell, assign, and transfer to

Citibank, N.A. the full, exclusive, and entire right, title, and interest in and to any foreign

application or applications corresponding to said patent application, in whole or in part, in

countries other than the United States, in and to any Letters Patent and similar protective rights

granted on said foreign applications, and in and to the right to claim any applicable priority rights

arising from or required for said foreign applications under the terms of any applicable

conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in

the name of Citi Ventures, Inc., or its designee insofar as permitted by applicable law;

AND, for the same consideration, we agree to sign all lawful papers, execute all non-

provisional applications and other applications, make all assignments and rightful oaths, and

generally do everything possible to aid Citi Ventures, Inc., its successors, assigns, and nominees

to obtain and enforce proper protection for all said inventions and improvements in all countries

throughout the world.

AND, we hereby authorize a representative of Johnson, Marcou & Isaacs, LLC, 317A

East Liberty Street, Savannah, Georgia 31401, USA, to insert in the blanks above the filing date

and application number of the U.S. Patent application when known.

Attorney Docket No. CITI-0732

Page 2 of 4

**PATENT** 

"METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL	User Interface"
Date: 2/6/2015	DAVID NIALL O'BYRNE
Date:	ALAA ABDULKHALEQ SAEED
Date:	ASHVIN PARKASH
Date:	WYATT ALEXANDER FLORES
Date:	VANDERLEI CARDOSO DA SILVA
Date:	ORI ANAVIM

[SIGNATURES CONTINUED ON NEXT PAGE]

KUMARAVEL KANNAN NAGARAJAN

Attorney Docket No. CITI-0732

Date:\_

ASSIGNMENT

Page 3 of 4

Date:	ANDREW ROBERT BLACKMAN
Date:	NAVEENPRASAD SUBBIYAN
Date:	KRISHNARAJ RAJAGOPALAN
Date:	LAURA KRYSTYNA LINGARD TURNER

[END OF SIGNATURE PAGE]

Attorney Docket No. CITI-0732

ASSIGNMENT

"METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE"

Page 4 of 4

WHEREAS, we, **DAVID NIALL O'BYRNE**, a citizen of Ireland, residing at 23-22, 10 Gopeng Street, Tanjong Pagar, Singapore 078878, ALAA ABDULKHALEQ SAEED, a citizen of Bahrain, residing at 118, 1 Fairmont Avenue, New Providence Wharf, London E14 9PL, United Kingdom, ASHVIN PARKASH, a citizen of the United Kingdom, residing at 19 Trueman Road, Kenley, Surrey CR8 5GL, United Kingdom, WYATT ALEXANDER **FLORES**, a citizen of the United States of America, residing at 400 Chambers St., Apt. 9U, New York, New York 10282, United States of America, VANDERLEI CARDOSO DA SILVA, a citizen of the United States of America, residing at 20 Hedden Pl., New Providence, New Jersey 07974, United States of America, **ORI ANAVIM**, a citizen of Israel, residing at 135 Willow Street, Apt. 712, Brooklyn, New York 11201, United States of America, KUMARAVEL KANNAN NAGARAJAN, a citizen of the United States of America, residing at 10 Bateman Way, Hillsborough, New Jersey 08844, United States of America, ANDREW ROBERT BLACKMAN, a citizen of the United Kingdom, residing at 134 New Road, Chilworth, Guildford, Surrey GU4 8LX, United Kingdom, NAVEENPRASAD SUBBIYAN, a India, residing at 143 Ocean Wharf, 60 Westferry Road, London E14 8JE, United Kingdom, KRISHNARAJ RAJAGOPALAN, a citizen of India, residing at 4 Fawn Road, Plaistow, London E13 9BL, United Kingdom, and LAURA KRYSTYNA LINGARD TURNER, a citizen of the United Kingdom, residing at 101 Adelaide Road, London W13 9ED, United Kingdom have invented certain inventions and improvements disclosed in a patent application entitled "METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE," filed in the United States Patent and Trademark Office on 2/14/2013 and assigned U.S. Patent Application No. 13/767, 126, and

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PATENT Page 1 of 4

"METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE"

SAEED, ASHVIN PARKASH, WYATT ALEXANDER FLORES, VANDERLEI

CARDOSO DA SILVA, ORI ANAVIM, KUMARAVEL KANNAN NAGARAJAN,

ANDREW ROBERT BLACKMAN, NAVEENPRASAD SUBBIYAN, KRISHNARAJ

RAJAGOPALAN, and LAURA KRYSTYNA LINGARD TURNER, and by these presents

do sell, assign, and transfer to Citibank, N.A. the full, exclusive, and entire right, title, and

interest in and to said patent application, in and to any non-provisionals, divisions, continuations,

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and described in said patent application;

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countries other than the United States, in and to any Letters Patent and similar protective rights

granted on said foreign applications, and in and to the right to claim any applicable priority rights

arising from or required for said foreign applications under the terms of any applicable

conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in

the name of **Citi Ventures**, **Inc.**, or its designee insofar as permitted by applicable law;

AND, for the same consideration, we agree to sign all lawful papers, execute all non-

provisional applications and other applications, make all assignments and rightful oaths, and

generally do everything possible to aid Citi Ventures, Inc., its successors, assigns, and nominees

to obtain and enforce proper protection for all said inventions and improvements in all countries

throughout the world.

AND, we hereby authorize a representative of Johnson, Marcou & Isaacs, LLC, 317A

East Liberty Street, Savannah, Georgia 31401, USA, to insert in the blanks above the filing date

and application number of the U.S. Patent application when known.

Attorney Docket No. CITI-0732 PATENT Page 2 of 4

Date:	DAVID NIALL O'BYRNE	
Date: 07-02-13	ALAA ABDULMALEQ SAEED	e sakara ya sa
Date:	ASHVIN PARKASH	_
Date:	WYATT ALEXANDER FLORES	_
Date:	VANDERLEI CARDOSO DA SILVA	_
Date:	ORI ANAVIM	_
<b></b> .		

KUMARAVEL KANNAN NAGARAJAN

[SIGNATURES CONTINUED ON NEXT PAGE]

Attorney Docket No. CITI-0732

ASSIGNMENT

"METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE"

Page 3 of 4

Date:	ANDREW ROBERT BLACKMAN
Date:	NAVEENPRASAD SUBBIYAN
Date:	KRISHNARAJ RAJAGOPALAN
Data	

LAURA KRYSTYNA LINGARD TURNER

[END OF SIGNATURE PAGE]

**Attorney Docket No. CITI-0732** 

ASSIGNMENT

"Methods and Systems for Managing a Graphical User Interface"  $\,$ 

Page 4 of 4

WHEREAS, we, DAVID NIALL O'BYRNE, a citizen of Ireland, residing at 23-22, 10 Gopeng Street, Tanjong Pagar, Singapore 078878, ALAA ABDULKHALEQ SAEED, a citizen of Bahrain, residing at 118, 1 Fairmont Avenue, New Providence Wharf, London E14 9PL, United Kingdom, ASHVIN PARKASH, a citizen of the United Kingdom, residing at 19 Trueman Road, Kenley, Surrey CR8 5GL, United Kingdom, WYATT ALEXANDER FLORES, a citizen of the United States of America, residing at 400 Chambers St., Apt. 9U, New York, New York 10282, United States of America, VANDERLEI CARDOSO DA SILVA, a citizen of the United States of America, residing at 20 Hedden Pl., New Providence. New Jersey 07974, United States of America, ORI ANAVIM, a citizen of Israel, residing at 135 Willow Street, Apt. 712, Brooklyn, New York 11201, United States of America, KUMARAVEL KANNAN NAGARAJAN, a citizen of the United States of America, residing at 10 Bateman Way, Hillsborough, New Jersey 08844, United States of America, ANDREW ROBERT BLACKMAN, a citizen of the United Kingdom, residing at 134 New Road, Chilworth, Guildford, Surrey GU4 8LX, United Kingdom, NAVEENPRASAD SUBBIYAN, a citizen of India, residing at 143 Ocean Wharf, 60 Westferry Road, London E14 8JE, United Kingdom, KRISHNARAJ RAJAGOPALAN, a citizen of India, residing at 4 Fawn Road, Plaistow, London E13 9BL, United Kingdom, and LAURA KRYSTYNA LINGARD TURNER, a citizen of the United Kingdom, residing at 101 Adelaide Road, London W13 9ED, United Kingdom have invented certain inventions and improvements disclosed in a patent application entitled "METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE," filed in the United States Patent and Trademark Office on 2/14/2013 and assigned U.S. Patent Application No.13/767, 126 and

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Page 1 of 4

"METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE"

and described in said patent application;

SAEED, ASHVIN PARKASH, WYATT ALEXANDER FLORES, VANDERLEI CARDOSO DA SILVA, ORI ANAVIM, KUMARAVEL KANNAN NAGARAJAN, ANDREW ROBERT BLACKMAN, NAVEENPRASAD SUBBIYAN, KRISHNARAJ RAJAGOPALAN, and LAURA KRYSTYNA LINGARD TURNER, and by these presents do sell, assign, and transfer to Citibank, N.A. the full, exclusive, and entire right, title, and interest in and to said patent application, in and to any non-provisionals, divisions, continuations, reexaminations, and reissues thereof, and in and to all inventions and improvements disclosed

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AND, for the same consideration, we agree to sign all lawful papers, execute all non-provisional applications and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **Citi Ventures**, **Inc.**, its successors, assigns, and nominees to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

AND, we hereby authorize a representative of Johnson, Marcou & Isaacs, LLC, 317A East Liberty Street, Savannah, Georgia 31401, USA, to insert in the blanks above the filing date and application number of the U.S. Patent application when known.

Attorney Docket No. CITI-0732

Page 2 of 4

Date:	DAVID NIALL O'BYRNE
Date:	ALAA ABDULKHALEQ SAEED
Date: 29 DAN 2013	ASHVIN PARKASH
Date:	WYATT ALEXANDER FLORES
Date:	VANDERLEI CARDOSO DA SILVA
Date:	ORI ANAVIM
Date:	

[SIGNATURES CONTINUED ON NEXT PAGE]

KUMARAVEL KANNAN NAGARAJAN

Attorney Docket No. CITI-0732

ASSIGNMENT

"METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE"

Page 3 of 4

ASSIGNMENT "METHODS AND SYSTEMS FOR MANAGING	A GRAPHICAL USER INTERFACE"
Date:	ANDREW ROBERT BLACKMAN
Date:	NAVEENPRASAD SUBBIYAN
Date:	KRISHNARAJ RAJAGOPALAN
Date:	LAURA KRYSTYNA I INGARD TURNER

[END OF SIGNATURE PAGE]

Attorney Docket No. CITI-0732

Page 4 of 4

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Page 1 of 4

"METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE"

SAEED, ASHVIN PARKASH, WYATT ALEXANDER FLORES, VANDERLEI

CARDOSO DA SILVA, ORI ANAVIM, KUMARAVEL KANNAN NAGARAJAN,

ANDREW ROBERT BLACKMAN, NAVEENPRASAD SUBBIYAN, KRISHNARAJ

RAJAGOPALAN, and LAURA KRYSTYNA LINGARD TURNER, and by these presents

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Attorney Docket No. CITI-0732

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Date:	DAVID NIALL O'BYRNE
Date:	ALAA ABDULKHALEQ SAEED
Date:	ASHVIN PARKASH
Date: 01/29/2013	WATT ALEXANDER FLORES
Date:	VANDERLEI CARDOSO DA SILVA
Date:	ORI ANAVIM
Date:	

[SIGNATURES CONTINUED ON NEXT PAGE]

KUMARAVEL KANNAN NAGARAJAN

Attorney Docket No. CITI-0732

ASSIGNMENT

"METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE"

Page 3 of 4

"Methods and Systems for Man	AGING A GRAPHICAL USER INTERFACE"
Date:	ANDREW ROBERT BLACKMAN
Date:	NAVEENPRASAD SUBBIYAN
Date:	KRISHNARAJ RAJAGOPALAN
Date:	LAURA KRYSTYNA LINGARD TURNER

[END OF SIGNATURE PAGE]

Attorney Docket No. CITI-0732

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Page 4 of 4

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Attorney Docket No. CITI-0732

Page 2 of 4

ASSIGNMENT "METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL	User Interface"
Date:	DAVID NIALI. O'BYRNE
Date:	ALAA ABDULKHALEQ SAEED
Date:	ASHVIN PARKASH
Date:	WYATT ALEXANDER FYORES
Date: 01/29/2013	VANDERLEJ CARDOSO DA SILVA
Date:	ORI ANAVIM

[SIGNATURES CONTINUED ON NEXT PAGE]

KUMARAVEL KANNAN NAGARAJAN

Attorney Docket No. CITI-0732

"METHODS AND SYSTEMS FOR MAN	AGING A GRAPHICAL USER INTERFACE"
Date:	ANDREW ROBERT BLACKMAN
Date:	NAVEENPRASAD SUBBIYAN
Date:	KRISHNARAJ RAJAGOPALAN
Date:	LAURA KRYSTYNA LINGARD TURNER

[END OF SIGNATURE PAGE]

Attorney Docket No. CITI-0732

ASSIGNMENT

Page 4 of 4

WHEREAS, we, DAVID NIALL O'BYRNE, a citizen of Ireland, residing at 23-22, 10 Gopeng Street, Tanjong Pagar, Singapore 078878, ALAA ABDULKHALEQ SAEED, a citizen of Bahrain, residing at 118, 1 Fairmont Avenue, New Providence Wharf, London E14 9PL, United Kingdom, ASHVIN PARKASH, a citizen of the United Kingdom, residing at 19 Trueman Road, Kenley, Surrey CR8 5GL, United Kingdom, WYATT ALEXANDER FLORES, a citizen of the United States of America, residing at 400 Chambers St., Apt. 9U, New York, New York 10282, United States of America, VANDERLEI CARDOSO DA SILVA, a citizen of the United States of America, residing at 20 Hedden Pl., New Providence. New Jersey 07974, United States of America, ORI ANAVIM, a citizen of Israel, residing at 135 Willow Street, Apt. 712, Brooklyn, New York 11201, United States of America, KUMARAVEL KANNAN NAGARAJAN, a citizen of the United States of America, residing at 10 Bateman Way, Hillsborough, New Jersey 08844, United States of America, ANDREW ROBERT BLACKMAN, a citizen of the United Kingdom, residing at 134 New Road, Chilworth, Guildford, Surrey GU4 8LX, United Kingdom, NAVEENPRASAD SUBBIYAN, a citizen of India, residing at 143 Ocean Wharf, 60 Westferry Road, London E14 8JE, United Kingdom, KRISHNARAJ RAJAGOPALAN, a citizen of India, residing at 4 Fawn Road, Plaistow, London E13 9BL, United Kingdom, and LAURA KRYSTYNA LINGARD TURNER, a citizen of the United Kingdom, residing at 101 Adelaide Road, London W13 9ED, United Kingdom have invented certain inventions and improvements disclosed in a patent application entitled "METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE," filed in the United States Patent and Trademark Office on 2/14/2013 and assigned U.S. Patent Application No.13/767, 126 and

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Page 1 of 4

"METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE"

SAEED, ASHVIN PARKASH, WYATT ALEXANDER FLORES, VANDERLEI

CARDOSO DA SILVA, ORI ANAVIM, KUMARAVEL KANNAN NAGARAJAN,

ANDREW ROBERT BLACKMAN, NAVEENPRASAD SUBBIYAN, KRISHNARAJ

RAJAGOPALAN, and LAURA KRYSTYNA LINGARD TURNER, and by these presents

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Attorney Docket No. CITI-0732

Page 2 of 4

"METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL	USER INTERFACE"
Date:	DAVID NIALL O'BYRNE
Date:	ALAA ABDULKHALEQ SAEED
Date:	ASHVIN PARKASH
Date:	WYATT ALEXANDER FLORES
Date:	VANDERLEI CARDOSO DA SILVA
Date: 1/29/2013	ORI ANAVIM

[SIGNATURES CONTINUED ON NEXT PAGE]

KUMARAVEL KANNAN NAGARAJAN

Attorney Docket No. CITI-0732

Date:\_\_\_\_

**ASSIGNMENT** 

Page 3 of 4

"METHODS AND SYSTEMS FOR MANAG	ing a Graphical User Interface"
Date:	ANDREW ROBERT BLACKMAN
Date:	NAVEENPRASAD SUBBIYAN
Date:	KRISHNARAJ RAJAGOPALAN
Date:	LATIRA KRYSTYNA I INCARD TIIRNER

[END OF SIGNATURE PAGE]

Attorney Docket No. CITI-0732

ASSIGNMENT

Page 4 of 4

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Page 1 of 4

"METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE"

and described in said patent application;

SAEED, ASHVIN PARKASH, WYATT ALEXANDER FLORES, VANDERLEI CARDOSO DA SILVA, ORI ANAVIM, KUMARAVEL KANNAN NAGARAJAN, ANDREW ROBERT BLACKMAN, NAVEENPRASAD SUBBIYAN, KRISHNARAJ RAJAGOPALAN, and LAURA KRYSTYNA LINGARD TURNER, and by these presents do sell, assign, and transfer to Citibank, N.A. the full, exclusive, and entire right, title, and interest in and to said patent application, in and to any non-provisionals, divisions, continuations, reexaminations, and reissues thereof, and in and to all inventions and improvements disclosed

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Attorney Docket No. CITI-0732

Page 2 of 4

Date:	DAVID NIALL O'BYRNE
Date:	ALAA ABDULKHALEQ SAEED
Date:	ASHVIN PARKASH
Date:	WYATT ALEXANDER FLORES
Date:	VANDERLEI CARDOSO DA SILVA
Date:	ORI ANAVIM
Date: 01/3c/2013	M. Ve

[SIGNATURES CONTINUED ON NEXT PAGE]

KUMARAVEL KANNAN NAGARAJAN

Attorney Docket No. CITI-0732

ASSIGNMENT

"METHOUS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE"

Page 3 of 4

Date:	ANDREW ROBERT BLACKMAN
Date:	NAVEENPRASAD SUBBIYAN
Date:	KRISHNARAJ RAJAGOPALAN
Date:	LAURA KRYSTYNA LINGARD TURNER

[END OF SIGNATURE PAGE]

Attorney Docket No. CITI-0732

ASSIGNMENT

"METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE"

Page 4 of 4

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Page 1 of 4

"METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE"

SAEED, ASHVIN PARKASH, WYATT ALEXANDER FLORES, VANDERLEI

CARDOSO DA SILVA, ORI ANAVIM, KUMARAVEL KANNAN NAGARAJAN,

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Attorney Docket No. CITI-0732

Page 2 of 4

"Methods and Systems for Managing a Graphical User Interface"	
Date:	DAVID NIALL O'BYRNE
Date:	ALAA ABDULKHALEQ SAEED
Date:	ASHVIN PARKASH
Date:	WYATT ALEXANDER FLORES
Date:	VANDERLEI CARDOSO DA SILVA
Date:	ORI ANAVIM

[SIGNATURES CONTINUED ON NEXT PAGE]

KUMARAVEL KANNAN NAGARAJAN

Attorney Docket No. CITI-0732

Date:\_\_\_

ASSIGNMENT

PATENT 3 of 4

# Date: 29 - Jan - 2013 ANDREW ROBERT BLACKMAN Date: NAVEENPRASAD SUBBIYAN Date: KRISHNARAJ RAJAGOPALAN

LAURA KRYSTYNA LINGARD TURNER

[END OF SIGNATURE PAGE]

**ASSIGNMENT** 

"METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE"

PATENT 4 of 4 REEL: 034913 FRAME: 0356

WHEREAS, we, DAVID NIALL O'BYRNE, a citizen of Ireland, residing at 23-22, 10 Gopeng Street, Tanjong Pagar, Singapore 078878, ALAA ABDULKHALEQ SAEED, a citizen of Bahrain, residing at 118, 1 Fairmont Avenue, New Providence Wharf, London E14 9PL. United Kingdom, ASHVIN PARKASH, a citizen of the United Kingdom, residing at 19 Trueman Road, Kenley, Surrey CR8 5GL, United Kingdom, WYATT ALEXANDER FLORES, a citizen of the United States of America, residing at 400 Chambers St., Apt. 9U, New York, New York 10282, United States of America, VANDERLEI CARDOSO DA SILVA, a citizen of the United States of America, residing at 20 Hedden Pl., New Providence, New Jersey 07974, United States of America, ORI ANAVIM, a citizen of Israel, residing at 135 Willow Street, Apt. 712, Brooklyn, New York 11201, United States of America, KUMARAVEL KANNAN NAGARAJAN, a citizen of the United States of America, residing at 10 Bateman Way, Hillsborough, New Jersey 08844, United States of America, ANDREW ROBERT BLACKMAN, a citizen of the United Kingdom, residing at 134 New Road, Chilworth, Guildford, Surrey GU4 8LX, United Kingdom, NAVEENPRASAD SUBBIYAN, a citizen of India, residing at 143 Ocean Wharf, 60 Westferry Road, London E14 8JE, United Kingdom, KRISHNARAJ RAJAGOPALAN, a citizen of India, residing at 4 Fawn Road, Plaistow, London E13 9BL, United Kingdom, and LAURA KRYSTYNA LINGARD TURNER, a citizen of the United Kingdom, residing at 101 Adelaide Road, London W13 9ED, United Kingdom have invented certain inventions and improvements disclosed in a patent application entitled "METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE," filed in the United States Patent and Trademark Office on 2/14/2013 and assigned U.S. Patent Application No.13/767, 126 and

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Page 1 of 4

"METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE"

SAEED, ASHVIN PARKASH, WYATT ALEXANDER FLORES, VANDERLEI

CARDOSO DA SILVA, ORI ANAVIM, KUMARAVEL KANNAN NAGARAJAN,

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Attorney Docket No. CITI-0732

Page 2 of 4

# ASSIGNMENT "METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE"

Date:	DAVID NIALL O'BYRNE
Date:	ALAA ABDULKHALEQ SAEED
Date:	ASHVIN PARKASH
Date:	WYATT ALEXANDER FLORES
Date:	VANDERLEI CARDOSO DA SILVA
Date:	ORI ANAVIM
Date:	KUMARAVEL KANNAN NAGARAJAN

[SIGNATURES CONTINUED ON NEXT PAGE]

Attorney Docket No. CITI-0732

PATENT 3 of 4

Date:	ANDREW ROBERT BLACKMAN
Date: 05.02.2013	NAVEENPRASAD SUBBIYAN
Date:	KRISHNARAJ RAJAGOPALAN
Date:	LAURA KRYSTYNA LINGARD TURNER

[END OF SIGNATURE PAGE]

Attorney Docket No. CITI-0732

ASSIGNMENT

"Methods and Systems for Managing a Graphical User Interface"

Page 4 of 4

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"METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE"

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CARDOSO DA SILVA, ORI ANAVIM, KUMARAVEL KANNAN NAGARAJAN,

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[SIGNATURES CONTINUED ON NEXT PAGE]

Attorney Docket No. CITI-0732

Date:\_\_\_\_

ASSIGNMENT

"METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE"

PATERS 3 of 4

REEL: 034913 FRAME: 0363

KUMARAVEL KANNAN NAGARAJAN

ASSIGNMENT "METHODS AND SYSTEMS FOR MANAGING A (	Graphical User Interface"
Date:	ANDREW ROBERT BLACKMAN
Date:	NAVEENPRASAD SUBBIYAN
Date: 30 - 01 - 13	KRISHNARAJ RAJAGOPALAN
Date:	LAURA KRYSTYNA LINGARD TURNER

[END OF SIGNATURE PAGE]

WHEREAS, we, DAVID NIALL O'BYRNE, a citizen of Ireland, residing at 23-22, 10 Gopeng Street, Tanjong Pagar, Singapore 078878, ALAA ABDULKHALEQ SAEED, a citizen of Bahrain, residing at 118, 1 Fairmont Avenue, New Providence Wharf, London E14 9PL, United Kingdom, ASHVIN PARKASH, a citizen of the United Kingdom, residing at 19 Trueman Road, Kenley, Surrey CR8 5GL, United Kingdom, WYATT ALEXANDER FLORES, a citizen of the United States of America, residing at 400 Chambers St., Apt. 9U, New York, New York 10282, United States of America, VANDERLEI CARDOSO DA SILVA, a citizen of the United States of America, residing at 20 Hedden Pl., New Providence, New Jersey 07974, United States of America, ORI ANAVIM, a citizen of Israel, residing at 135 Willow Street, Apt. 712, Brooklyn, New York 11201, United States of America, KUMARAVEL KANNAN NAGARAJAN, a citizen of the United States of America, residing at 10 Bateman Way, Hillsborough, New Jersey 08844, United States of America, ANDREW ROBERT BLACKMAN, a citizen of the United Kingdom, residing at 134 New Road, Chilworth, Guildford, Surrey GU4 8LX, United Kingdom, NAVEENPRASAD SUBBIYAN, a citizen of India, residing at 143 Ocean Wharf, 60 Westferry Road, London E14 8JE, United Kingdom, KRISHNARAJ RAJAGOPALAN, a citizen of India, residing at 4 Fawn Road, Plaistow, London E13 9BL, United Kingdom, and LAURA KRYSTYNA LINGARD TURNER, a citizen of the United Kingdom, residing at 101 Adelaide Road, London W13 9ED, United Kingdom have invented certain inventions and improvements disclosed in a patent application entitled "METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE," filed in the United States Patent and Trademark Office on 2/14/2013 and assigned U.S. Patent Application No.13/767, 126 and

WHEREAS, Citibank, N.A., having an address of 399 Park Avenue, New York, New York 10022, USA, is desirous of acquiring an interest in the same.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which we hereby acknowledge, we, DAVID NIALL O'BYRNE, ALAA ABDULKHALEQ

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"METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE"

SAEED, ASHVIN PARKASH, WYATT ALEXANDER FLORES, VANDERLEI

CARDOSO DA SILVA, ORI ANAVIM, KUMARAVEL KANNAN NAGARAJAN,

ANDREW ROBERT BLACKMAN, NAVEENPRASAD SUBBIYAN, KRISHNARAJ

RAJAGOPALAN, and LAURA KRYSTYNA LINGARD TURNER, and by these presents

do sell, assign, and transfer to Citibank, N.A. the full, exclusive, and entire right, title, and

interest in and to said patent application, in and to any non-provisionals, divisions, continuations,

reexaminations, and reissues thereof, and in and to all inventions and improvements disclosed

and described in said patent application;

For the same consideration, we, by these presents, do sell, assign, and transfer to

Citibank, N.A. the full, exclusive, and entire right, title, and interest in and to any foreign

application or applications corresponding to said patent application, in whole or in part, in

countries other than the United States, in and to any Letters Patent and similar protective rights

granted on said foreign applications, and in and to the right to claim any applicable priority rights

arising from or required for said foreign applications under the terms of any applicable

conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in

the name of Citi Ventures, Inc., or its designee insofar as permitted by applicable law;

AND, for the same consideration, we agree to sign all lawful papers, execute all non-

provisional applications and other applications, make all assignments and rightful oaths, and

generally do everything possible to aid Citi Ventures, Inc., its successors, assigns, and nominees

to obtain and enforce proper protection for all said inventions and improvements in all countries

throughout the world.

AND, we hereby authorize a representative of Johnson, Marcou & Isaacs, LLC, 317A

East Liberty Street, Savannah, Georgia 31401, USA, to insert in the blanks above the filing date

and application number of the U.S. Patent application when known.

Attorney Docket No. CITI-0732

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"METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERFACE"

Date:	DAVID NIALL O'BYRNE
Date:	ALAA ABDULKHALEQ SAEED
Date:	ASHVIN PARKASH
Date:	WYATT ALEXANDER FLORES
Date:	VANDERLEI CARDOSO DA SILVA
Date:	ORI ANAVIM
Date:	KUMARAVEL KANNAN NAGARA IAN

[SIGNATURES CONTINUED ON NEXT PAGE]

Attorney Docket No. CITI-0732

PATEN® 3 of 4

Date:	ANDREW ROBERT BLACKMAN
Date:	NAVEENPRASAD SUBBIYAN
Date:	KRISHNARAJ RAJAGOPALAN
Date: 30/01/13	LAURA KRYSTYNA LINGARD TURNER

ASSIGNMENT "METHODS AND SYSTEMS FOR MANAGING A GRAPHICAL USER INTERPACE"  $^{\rm m}$ 

[END OF SIGNATURE PAGE]

Attorney Docket No. CITI-0732

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PATENT REEL: 034913 FRAME: 0368

**RECORDED: 02/08/2015**