504335139 04/24/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4381827

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GAIL ELIZABETH STUART	10/24/2016
ANDREW J GARNER IV	10/13/2016
DANIEL S SUMNER	10/24/2016
PRASANNA KUMAR AMMIRAJU	10/13/2016
DIBYENDU CHATTERJEE	11/27/2016
KSHITINDRA KUMAR JAIN	10/12/2016
RAMESHCHANDRA BHASKAR KETHARAJU	10/13/2016
DINAKAR CHANNAKAL KRISHNAPPA	11/02/2016
RAVINDAR RAO PERALA	10/12/2016
DINESH SANGTANI	10/14/2016
MOHAN GOPAL KANALA	10/14/2016
PRASHANTH KUMAR MERUGU	10/13/2016

RECEIVING PARTY DATA

Name:	WELLS FARGO BANK, N.A.
Street Address:	420 MONTGOMERY STREET
City:	SAN FRANCISCO
State/Country:	CALIFORNIA
Postal Code:	94101

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15268223

CORRESPONDENCE DATA

Fax Number:

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.

Email: REQUEST@SLWIP.COM

Correspondent Name: SCHWEGMAN LUNDBERG & WOESSNER, P.A.

Address Line 1: PO BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0938

PATENT REEL: 042130 FRAME: 0022

504335139

ATTORNEY DOCKET NUMBER:	4423.066US1
NAME OF SUBMITTER:	KERRI WRIGHT
SIGNATURE:	/KERRI WRIGHT/
DATE SIGNED:	04/24/2017
Total Attachments: 7	
source=4423066US1RECORDATIONCS#page1.tif	
source=4423066US1RECORDATIONCS#page2.tif	
source=4423066US1RECORDATIONCS#page3.tif	
source=4423066US1RECORDATIONCS#page4.tif	

source=4423066US1RECORDATIONCS#page5.tif source=4423066US1RECORDATIONCS#page6.tif source=4423066US1RECORDATIONCS#page7.tif

PATENT

REEL: 042130 FRAME: 0023

RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 4423.066US1 Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Plea			
Name of conveying party(ies):	2. Name and address of receiving party(ies):		
	Name: Wells Fargo Bank, N.A.		
Gail Elizabeth Stuart, Andrew J. Garner IV, Daniel S. Sumner, Prasanna Kumar Ammiraju, Dibyendu	Street Address: 420 Montgomery Street		
Chatterjee, Kshitindra Kumar Jain, Rameshchandra Bhaskar Ketharaju, Dinakar Channakal Krishnappa, Ravindar Rao Perala, Dinesh Sangtani, Mohan Gopal Kanala, Prashanth Kumar Merugu	City: <u>San Francisco</u> State: <u>CA</u> Zip: <u>94101</u> Country: <u>United States of America</u>		
Additional name(s) of conveying party(ies) attached?	Additional name(s) & address(es) attached? []Yes [X]N		
[]Yes [X]No			
3. Nature of conveyance:			
[X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: October 24, 2016, October 13, 2016, October 24, 2016, October 13, 2016, November 27, 2016, October 12, 2016, October 13, 2016, November 2, 2016, October 12, 2016, October 14, 2016, Octobe			
4. Application number(s) or patent number(s):			
If this document is being filed together with a new application	n, the execution date of the application is:		
A. Patent Application No.(s)	B. Patent No.(s)		
···	D. Patent No.(8)		
Serial No. 15/268,223, filed September 16, 2016			
Additional numbers attached? []Yes [X]No			
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved: 1		
5. Name and address of party to whom correspondence concerning document should be mailed:	7. Total fee (37 CFR 3.41):\$ <u>0.00</u>		
Name: <u>Jeffrey P. Cobia</u>	[]Enclosed		
Address:	[]Authorized to be charged to deposit account 19-		
Schwegman Lundberg & Woessner, P.A.	0743		
P.O. Box 2938 Minneapolis, MN 554020938	8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743		
DO NOT USE	THIS SPACE		
9. Statement and signature. To the best of my knowledge and belief, the foregoing inform of the original document.	ation is true and correct and any attached copy is a true copy		
	Jeffrey Cobia / April 24, 2017		
Jeffrey P. Cobia/Reg. No. 69,466 Name of Person Signing	April 24, 2017 Signature Date		
	al number of pages including cover sheet: 7		
	, , ,		

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks Mail Stop Assignment Recordation Services P.O. Box 1450 Alexandria, VA 22313-1450

> PATENT REEL: 042130 FRAME: 0025

ASSIGNMENT

WHEREAS, Gail Elizabeth Stuart, Andrew J. Garner IV, Daniel S. Sumner, Prasanna Kumar Ammiraju, Dibyendu Chatterjee, Kshitindra Kumar Jain, Rameshchandra Bhaskar Ketharaju, Dinakar Channakal Krishnappa, Ravindar Rao Perala, Dinesh Sangtani, Mohan Gopal Kanala and Prashanth Kumar Merugu (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention") which are described in a patent application filed on September 16, 2016, which application was assigned US patent application serial number 15/268,223, and which is titled SYSTEMS AND METHODS FOR PROVIDING CONTEXTUAL RECOMMENDATIONS.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to Wells Fargo Bank, N.A. (the "Assignee"), having a place of business at 420 Montgomery Street, San Francisco, CA 94101, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

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

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 135373 may (directly or through his/her designee) delete, insert, or alter any

PATENT REEL: 042130 FRAME: 0026 Assignment Docket No: 4423.066US1
Assignors: Gail Elizabeth Stuart et al. Client Ref. No. WF2016002705 (IDF-15-0600)

Title: SYSTEMS AND METHODS FOR PROVIDING CONTEXTUAL RECOMMENDATIONS

Page 2 of 5

information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall 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 without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, the Undersigned, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

Docket No: 4423.066US1 Client Ref. No. WF2016002705 (IDF-15-0600) Assignment Assignors: Gail Elizabeth Stuart et al.
Title: SYSTEMS AND METHODS FOR PROVIDING CONTEXTUAL RECOMMENDATIONS
Page 3 of 5

Assignor:		
(Signature):	1 Had Elephoth Stuart	/
	Name: Gail Elizabeth Stuart	
Date:	10/24/2016	
Assignor:		
(Signature):	1 Andrew O. Barner W	/
	Name: Andrew J. Garner IV	
Date:	10/13/2016	
Assignor:		
(Signature):	/ Daniel S. Sumner	/
	Name: Daniel S. Sumner	
Date:		
Assignor:		
(Signature):	1 Abrarakus	/
	Name: <u>Prasanna Kumar Ammiraju</u> City/State:	
Date:	10/13/2016	

Docket No: 4423.066US1 Client Ref. No. WF2016002705 (IDF-15-0600) Assignors: Gail Elizabeth Stuart et al.
Title: SYSTEMS AND METHODS FOR PROVIDING CONTEXTUAL RECOMMENDATIONS
Page 4 of 5 Assignment

Assignor:		
(Signature):	1 Dibyendu Chatterjee	/
	Name: Dibyendu Chatterjee	
Date:	11/27/2016	
Assignor:		
(Signature):	/ folitrolia forg	/
	Name: Kshitindra Kumar Jain	
Date:		
Assignor:		
(Signature):	/ Rameslichandra Bhaskar ketharaju	/
	Name: Rameshchandra Bhaskar Ketharaju	
Date:	10/13/2016	
Assignor:		
(Signature):	/ Bunoker Ck	/
	Name: Dinakar Channakal Krishnappa	
Date:	11/2/2016	

Docket No: 4423.066US1 Client Ref. No. WF2016002705 (IDF-15-0600) Assignment Assignors: Gail Elizabeth Stuart et al.
Title: SYSTEMS AND METHODS FOR PROVIDING CONTEXTUAL RECOMMENDATIONS

Page 5 of 5

Assignor:		
(Signature):	/ Kavindar Rao Perala	/
	Name: Ravindar Rao Perala	
Date:	10/12/2016	
Assignor:		
(Signature):	1 Som How Organ	/
	Name: Dinesh Sangtani	
Date:	10/14/2016	
Assignor:		
(Signature):	1 Engepel.	/
	Name: Mohan Gopal Kanala	
Date:	10/14/2016	
Assignor:		
(Signature):	/ Prashauth Eumar Merugu	/
	Name: Prashanth Kumar Merugu	
Date:	10/13/2016	
Date:	10/13/2016	

PATENT REEL: 042130 FRAME: 0030