PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2925665

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
MANAH M. KHALIL	07/02/2014
MICHAEL R. LAMISON	07/02/2014
BO XIAO	07/02/2014
OMAR A. ABOU-KHAMIS	07/02/2014

RECEIVING PARTY DATA

Name:	VERIZON PATENT AND LICENSING INC.		
Street Address:	ONE VERIZON WAY		
City:	BASKING RIDGE		
State/Country:	NEW JERSEY		
Postal Code:	07920		

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	14323403		

CORRESPONDENCE DATA

Fax Number: (571)432-0808

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: 5714320800

Email: neways@harrityllp.com **Correspondent Name:** HARRITY & HARRITY LLP 11350 RANDOM HILLS ROAD Address Line 1:

Address Line 2: SUITE 600

Address Line 4: FAIRFAX, VIRGINIA 22030

ATTORNEY DOCKET NUMBER:	20140764		
NAME OF SUBMITTER:	NEIL R. KARDOS		
SIGNATURE:	/Neil R. Kardos, Reg. No. 67,238/		
DATE SIGNED:	07/03/2014		
	This document serves as an Oath/Declaration (37 CFR 1.63).		

Total Attachments: 4

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DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

Patent Application Title: CROSS-NATIVE APPLICATION AUTHENTICATION APPLICATION

Signature:

Address: 920 Blue Jay Lane, Coppell, TX 75019 US

	the patent application fo		
		rently herewith, Application Number to be assigned as United States Application Number	
	Number		
		Declaration of Inventor	
As the	below named inventor, I h	creby declare that:	
***	I believe that I am the or application; and	lication was made or authorized to be made by me riginal inventor or an original joint inventor of a cla	nimed invention in the above-referenced
		nat any willful false statement made in this declarat more than five (5) years, or both.	ion is punishable under 18 U.S.C. § 1001 by fine
		Inventor Assignment Acknowledgen	<u>ient</u>
For goo	ed and valuable considerat	ion, the receipt of which is hereby acknowledged, l	agree as follows:
right, ti and to or regi- inventi- been of of prio- used h	tle and interest in and to a said application and all div strations for Letters Patent ons or ideas, or based on o shall be issued in the Unity resulting from the filli- erein shall include, witho	ny and all inventions and other ideas described in t visional, continuing (in whole or in part), substitute i which have been or shall be filed in the United S r claiming priority to said application; and in and to ited States and forcign countries from any of said a ng of any of said applications or registrations (all	ing its successors and assigns, my entire worldwide the above-identified patent application, as well as in , renewal, reissue, provisional or other applications tates and all foreign countries based on any of said all original and reissued Letters Patent which have applications or registrations; and in and to all rights collectively, the "Patent Rights"). Letters Patent as esigns, and any other form of industrial property
all right (or its represe authori necessi (ii) in r known assigns	tful oaths, declarations, assuccessors and/or assigns) attatives) as my attorney-in ty in my place and stead a ary or advisable to accompany name where permitted to me relating to said Pats, representatives or agents	signments, powers of attorney and other papers related without compensation (but at Assignee's expense a-fact, such appointment being irrevocable and cound in my name to take any action and to execute an alish the purposes of this assignment, including the by law; (iv) to communicate to Assignee, its successort Rights and the history thereof; and (v) to generate	atent Rights in its own name; (ii) that I will execute ted to the Patent Rights when requested by Assignee e),; (iii) that I appoint Assignee (acting through its pled with the interest in the Patent Rights, with full by document which Assignee may deem reasonably execution and filing of the papers identified in particular assigns, representatives and agents, all facts rally do everything which Assignee, its successors, maintaining proper protection for said Patent Rights
		s successors and assigns, that no assignment, grant, thers by me, and that full right to convey the same	mortgage, license, or other agreement affecting the as set forth herein is possessed by me.
		Patent and Licensing Inc., a Delaware Corporation Basking Ridge, NJ 07920 US	n with a place of business at One Verizon
the state of the s	INESS to my agreement toorth below:	o the foregoing Declaration of Inventor and Invent	or Assignment Acknowledgement, I have executed
Full le	gal name of Inventor: Ma	nah M. KHALIL	요르트라는 중요 보다는 말은 전에도 말한다고 그룹 프로프웨어 등에 하는 소사하다는 보다는 것이 있다. 아시트라이아 등록

DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

Patent Application Title: CROSS-NATIVE APPLICATION AUTHENTICATION APPLICATION

he patent application for which:	
is being filed concurrently herewith, Application Number to be assigned by the USPTO, or	
was filed on as United States Application Number or PCT International Application	ion
lumber	

Declaration of Inventor

As the below named inventor, I hereby declare that:

- the above-identified application was made or authorized to be made by me;
- I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-referenced application; and
- I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

Inventor Assignment Acknowledgement

For good and valuable consideration, the receipt of which is hereby acknowledged, I agree as follows:

- A. I hereby assign to the Verizon legal entity identified below ("Assignee"), including its successors and assigns, my entire worldwide right, title and interest in and to any and all inventions and other ideas described in the above-identified patent application, as well as in and to said application and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional or other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said inventions or ideas, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
- B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that I will execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights when requested by Assignee (or its successors and/or assigns) without compensation (but at Assignee's expense),; (iii) that I appoint Assignee (acting through its representatives) as my attorney-in-fact, such appointment being irrevocable and coupled with the interest in the Patent Rights, with full authority in my place and stead and in my name to take any action and to execute any document which Assignee may deem reasonably necessary or advisable to accomplish the purposes of this assignment, including the execution and filing of the papers identified in part (ii) in my name where permitted by law; (iv) to communicate to Assignee, its successors, assigns, representatives and agents, all facts known to me relating to said Patent Rights and the history thereof; and (v) to generally do everything which Assignee, its successors, assigns, representatives or agents shall consider desirable for aiding in securing and maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns.
- C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.

ASSIGNEE: Verizon Patent and Licensing Inc., a Delaware Corporation with a place of business at One Verizon Way, Basking Ridge, NJ 07920 US

IN WITNESS to my agreement to the foregoing Declaration of Inventor and Inventor Assignment Acknowledgement, I have executed as set forth below:

Full legal name of Inventor: Michael R. LAMISON

Address: 2530 W. Watrous Avenue, Tampa, FL 33629 US

Signature: _______Date: ______

Date: 7-2-2014

DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

Patent Application Title: CROSS-NATIVE APPLICATION AUTHENTICATION APPLICATION

**
the patent application for which: is being filed concurrently herewith, Application Number to be assigned by the USPTO, or was filed on as United States Application Number or PCT International Application Number or PCT International Application Number or PCT International Application Number
Declaration of Inventor
As the below named inventor, I hereby declare that:
 the above-identified application was made or authorized to be made by me; I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-referenced application; and I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.
Inventor Assignment Acknowledgement
For good and valuable consideration, the receipt of which is hereby acknowledged, I agree as follows:
A. I hereby assign to the Verizon legal entity identified below ("Assignee"), including its successors and assigns, my entire worldwide right, title and interest in and to any and all inventions and other ideas described in the above-identified patent application, as well as it and to said application and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional or other application or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said inventions or ideas, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all right of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent a used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that I will execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights when requested by Assignee (or its successors and/or assigns) without compensation (but at Assignee's expense),; (iii) that I appoint Assignee (acting through it representatives) as my attorney-in-fact, such appointment being irrevocable and coupled with the interest in the Patent Rights, with full authority in my place and stead and in my name to take any action and to execute any document which Assignee may deem reasonably necessary or advisable to accomplish the purposes of this assignment, including the execution and filing of the papers identified in par (ii) in my name where permitted by law; (iv) to communicate to Assignee, its successors, assigns, representatives and agents, all fact known to me relating to said Patent Rights and the history thereof; and (v) to generally do everything which Assignee, its successors assigns, representatives or agents shall consider desirable for aiding in securing and maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns.
C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.
ASSIGNEE: Verizon Patent and Licensing Inc., a Delaware Corporation with a place of business at One Verizon Way, Basking Ridge, NJ 07920 US
IN WITNESS to my agreement to the foregoing Declaration of Inventor and Inventor Assignment Acknowledgement, I have executed as set forth below:
Full legal name of Inventor: Bo XIAO
Address: 3807 North O'Connor Road, Irving, TX 75062 US
Signature: 07/02/2014

DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

Patent Application Title: CROSS

the patent app			plication Number to l	be assigned by	, the USPTO, or
was filed (as United Sta			or PCT International Application
			Declaration of Inv	<u>rentor</u>	
As the below named in	nventor, I b	ereby declare that:			
 I believe that application; a I hereby ackn 	I am the or md nowledge th	iginal inventor or a	statement made in th	tor of a claim	ed invention in the above-referenced is punishable under 18 U.S.C. § 1001 by fine
			ntor Assignment Ack	owledgemen	
For good and valuable	considerati	on, the receipt of v	which is hereby ackno	owledged, I ag	ree as follows:
right, title and interest and to said application or registrations for Let inventions or ideas, or been or shall be issued of priority resulting for	in and to an and all diverse Patent based on ordinate United to the United Index (the United Index (the Index	ry and all invention isional, continuing which have been a claiming priority ted States and foreig of any of said a ut limitation, pate	ns and other ideas des (in whole or in part) or shall be filed in the to said application; ar ign countries from ar pplications or registrants, utility models, in	scribed in the and a substitute, received State and to all any of said applations (all colladustrial designations)	its successors and assigns, my entire worldwide above-identified patent application, as well as in mewal, reissue, provisional or other applications is and all foreign countries based on any of said criginal and reissued Letters Patent which have lications or registrations; and in and to all rights lectively, the "Patent Rights"). Letters Patent as gas, and any other form of industrial property
all rightful oaths, decla (or its successors and/ representatives) as my authority in my place a necessary or advisable (ii) in my name where known to me relating	arations, ass /or assigns) / attorney-in and stead as to accomp e permitted to said Pate es or agents	signments, powers without compensual-fact, such appoin and in my name to the lish the purposes oby law; (iv) to corent Rights and the shall consider desi	of attorney and other pation (but at Assigned the the theory and to ake any action and to fithis assignment, inconnunicate to Assigne history thereof; and (rable for aiding in sec	papers related e's expense),; ble and couple execute any d duding the exce, its successo v) to generall curing and mai	nt Rights in its own name; (ii) that I will execute to the Patent Rights when requested by Assignee (iii) that I appoint Assignee (acting through its d with the interest in the Patent Rights, with full locument which Assignee may deem reasonably ecution and filing of the papers identified in partors, assigns, representatives and agents, all facts y do everything which Assignee, its successors, intaining proper protection for said Patent Rights
C. I covenant with A Patent Rights has been	Assignee, its n made to o	s successors and as thers by me, and th	signs, that no assignm at full right to conve	nent, grant, mo	ortgage, license, or other agreement affecting the set forth herein is possessed by me.
ASSIGNEE:	Verizon l Way,	Patent and Licensi Basking Ridge, NJ	ng Inc., a Delaware (07920 US	Corporation w	ith a place of business at One Verizon
IN WITNESS to my a	agreement t	o the foregoing De	claration of Inventor	and Inventor	Assignment Acknowledgement, I have executed

Full legal name of Inventor: Omar A. ABOU-KHAMIS

Address: 9427 Vista Circle, Irving, TX 75063 US

07/02/2014 Signature:

> **PATENT REEL: 033240 FRAME: 0268**

as set forth below: