505461042 05/06/2019

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5507845

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT			
	Corrective Assignment to correct the NINTH ASSIGNOR'S LAST NAME "02/23/2015" previously recorded on Reel 046174 Frame 0852. Assignor(s) hereby confirms the LAST NAME SHOULD BE "GOLSHAN".			

#### **CONVEYING PARTY DATA**

Name	Execution Date
ALEXANDER BURT	02/20/2015
NICK BILOGORSKIY	02/23/2015
MCENROE NAVARAJ	02/23/2015
FRANK JAS	02/23/2015
LIANG HAN	02/21/2015
YUCHENG TING	02/22/2018
MANIKANDAN KENYAN	02/23/2015
FENGMIN GONG	02/20/2015
ALI GOLSHAN	02/23/2015
SHISHIR SINGH	02/20/2015
MIKOLA BILOGORSKIY	08/04/2017

#### **RECEIVING PARTY DATA**

Name:	CYPHORT INC.
Street Address:	5411 GREAT AMERICA PARKWAY, SUITE 225
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	94126

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

Property Type	Number	
Application Number:	15958282	

#### **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: rallen@harrityllp.com

Correspondent Name: HARRITY & HARRITY LLP

Address Line 1: 11350 RANDOM HILLS RD STE 600

PATENT REEL: 049087 FRAME: 0566

505461042

Address Line 4: FAIF	RFAX, VIRGINIA 22030
ATTORNEY DOCKET NUMBER:	0023-0904C1
NAME OF SUBMITTER:	RACHEL ALLEN
SIGNATURE:	/Rachel Allen/
DATE SIGNED:	05/06/2019
Total Attachments: 47	
source=0023-0904C1_Assignment_05-	06-19#page1.tif
source=0023-0904C1_Assignment_05-	• •
source=0023-0904C1 Assignment 05-	. •
source=0023-0904C1_Assignment_05-	
source=0023-0904C1_Assignment_05-	
	, ,
source=0023-0904C1_Assignment_05-	. •
source=0023-0904C1_Assignment_05-	. •
source=0023-0904C1_Assignment_05-	1 5
source=0023-0904C1_Assignment_05-	
source=0023-0904C1_Assignment_05-	, •
source=0023-0904C1_Assignment_05-	• •
source=0023-0904C1_Assignment_05-	06-19#page12.tif
source=0023-0904C1_Assignment_05-	06-19#page13.tif
source=0023-0904C1_Assignment_05-	06-19#page14.tif
source=0023-0904C1_Assignment_05-	06-19#page15.tif
source=0023-0904C1_Assignment_05-	06-19#page16.tif
source=0023-0904C1_Assignment_05-	06-19#page17.tif
source=0023-0904C1_Assignment_05-	06-19#page18.tif
source=0023-0904C1_Assignment_05-	06-19#page19.tif
source=0023-0904C1 Assignment 05-	06-19#page20.tif
source=0023-0904C1_Assignment_05-	06-19#page21.tif
source=0023-0904C1_Assignment_05-	. •
	ice Recordation of Assignment 5-6-19#page1.tif
	ice_Recordation_of_Assignment_5-6-19#page2.tif
source=0023-0904C1 Previously Filed	
·	
source=0023-0904C1 Previously Filed	• •
source=0023-0904C1 Previously Filed	
source=0023-0904C1 Previously Filed	
source=0023-0904C1 Previously Filed	Assignment#page16.tit

source=0023-0904C1 Previously Filed Assignr	nent#page17.tif
source=0023-0904C1 Previously Filed Assignr	nent#page18.tif
source=0023-0904C1 Previously Filed Assignr	nent#page19.tif
source=0023-0904C1 Previously Filed Assignr	ment#page20.tif
source=0023-0904C1 Previously Filed Assignr	ment#page21.tif
source=0023-0904C1 Previously Filed Assignr	ment#page22.tif
source=0023-0904C1 Previously Filed Assignr	ment#page23.tif



United States Patent and Trademark Office





### Electronic Patent Assignment System

# **Confirmation Receipt**

Your assignment has been received by the USPTO. The coversheet of the assignment is displayed below:

#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

	SUBMISSION TYPE:	NEW ASSIGNMENT		
mmmm	NATURE OF CONVEYANCE:	ASSIGNMENT		

#### **CONVEYING PARTY DATA**

Name	Execution Date
ALEX BURT	02/20/2015
NICK BILOGORSKIY	02/23/2015
MCENROE NAVARAJ	02/23/2015
FRANK JAS	02/23/2015
LIANG HAN	02/21/2015
YUCHENG TING	02/22/2018
MANIKANDAN KENYAN	02/23/2015
FENGMIN GONG	02/20/2015
ALI 02/23/2015	02/23/2015
SHISHIR SINGH	
MIKOLA BILOGORSKIY	08/04/2017

#### **RECEIVING PARTY DATA**

ş- 144	CYPHORT INC.
Street Address:	5411 GREAT AMERICA PARKWAY
Internal Address:	SUITE 225
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	94126

#### ASSIGNMENT

WHEREAS, we, Alexander Burt, a citizen of Russia, residing in San Jose, CA; Nick Bilogorskiy, a citizen of Canada, residing in Sunnyvale, CA; McEnroe Navaraj, a citizen of India, residing in Santa Clara, CA; Frank Jas, a citizen of the United States of America, residing in Scotts Valley, CA; Liang Han, a citizen of the United States of America, residing in Pleasanton, CA; Yucheng Ting, a citizen of Taiwan, residing in Milpitas, CA; Manikandan Kenyan, a citizen of the United States of America, residing in Saratoga, CA; Fengmin Gong, a citizen of the United States of America, residing in Livermore, CA; Ali Golshan, a citizen of Canada, residing in Santa Clara, CA; and Shishir Singh, a citizen of the United States of America, residing in Cupertino, CA have invented a "System and Method for Detection of Malicious Hypertext Transfer Protocol Chains" for which we have executed application papers for a U.S. patent thereon, which was filed on February 20, 2015, serial no. 14/627,686; and

WHEREAS, Cyphort Inc., a Delaware Corporation, having a place of business located at 5451 Great America Parkway, Suite 225, Santa Clara, CA 95054, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, we, Alexander Burt, Nick Bilogorskiy, McEnroe Navaraj, Frank Jas, Liang Han, Yucheng Ting, Manikandan Kenyan, Fengmin Gong, Ali Golshan and Shishir Singh do sell, assign, transfer and set over unto said Cyphort Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all Letters Patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights

Page 1 of 12

under the International Convention, in any or all continuation, continuation-in-part, divisional and/or converted utility and design patent applications and resulting Letters Patents together with any back damages and royalties accrued; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said Cyphort Inc., its successors and assigns, in accordance with this Assignment.

# [ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: System and Method for Detection of Maricious Hypertext

Transfer Protocol Chains Inventor: Alexander Burt				
WITNESS MY HAND at <u>San ta</u> day of <u>Fe</u> (date)	Clara, C (city, st. brvany	-A- ate),	0015	, this
Alexander Burt	•		(year)	
State of California County of <i>Santa Claya</i>	) ) )	SS.	See a	Hachel
On before me, Public, personally appeared who proved to me on the basis of satisfa subscribed to the within instrument and a in his/her/their authorized capacity(ies), the person(s), or the entity upon behalf of	ctory evidence acknowledged and that by hi	to be the to me the	e person(s) wat he/she/they	y executed the same s) on the instrument
I certify under PENALTY OF PERJUI foregoing paragraph is true and correct.	•	• •	•	
	WITN	ESS my l	nand and offi	cial seal.
[Affix seal here]				
·	Signate	ure of No	tary Public	

Page 3 of 12

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

validity of that document.	
State of California County of Santa Clava	
On 2.20-15" before me, Regins	et d Le Ray Johnson Matany Publicer)
personally appeared Alexander Sum who proved to me on the basis of satisfactory evidence subscribed to the within instrument and acknowledged this/her/their authorized capacity(iee), and that by his/her person(e), or the entity upon behalf of which the person	to be the person(s) whose name(s) is/are— o me that he/she/they executed the same in r/their signature(s) on the instrument the
I certify under PENALTY OF PERJURY under the laws paragraph is true and correct.	of the State of California that the foregoing
WITNESS my hand and official seal.	Reginald Leroy Johnson Comm. #1994792 NOTARY PUBLIC - CALIFORNIA ALAMEDA COUNTY
Signature Fredom 1. Das Jan 180	Му Cortm. Exp. Nov. 6, 2016 Н

# [ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: System and Method for Detection of Malicious Hypertext Transfer Protocol Chains
Inventor: Nick Bilogorskiy

WITNESS MY HAND atSanta	Clara	CA	,	, this
WITNESS MY HAND at <u>San-fa</u> day of <u>Fe</u>	bryans	state)	. 2015	•
(date)	(month)		(year)	·
-167				
Vick Bilogorskiy				
THE DESCRIPTION OF THE PROPERTY.			•	
State of California	)			14-, 0
County of	ý	ss.	See a	ttached
County of	,			
On before me,		<del></del>		, a Notary
Public, personally appearedwho proved to me on the basis of satisf	actory eviden	ce to be t	the person(s) who	ose name(s) is/are
subscribed to the within instrument and in his/her/their authorized capacity(ies)	l acknowledge	d to me t	that he/she/they e	executed the same
the person(s), or the entity upon behalf				
certify under PENALTY OF PERJU foregoing paragraph is true and correct.		e laws o	of the State of C	California that the
	WIT	NESS my	y hand and officia	al seal.
[Affix seal here]				
· ·			· ·	
	Signa	ature of N	Notary Public	

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California County of Santa Gara	
On 3-33-15 before me,	Legisld Lolloy Jhashi Dorlam Public Linsert name and title of the officer)
personally appeared NUL Bill who proved to me on the basis of satisfactory evisubscribed to the within instrument and acknowle his/her/their authorized capacity(jes), and that by person(s), or the entity upon behalf of which the	idence to be the person(s) whose name(s) is/are edged to me that he/spe/they executed the same in his/her/their signature(s) on the instrument the
I certify under PENALTY OF PERJURY under the paragraph is true and correct.	e laws of the State of California that the foregoing
WITNESS my hand and official seal.	Reginald Leroy Johnson Reginald Leroy Johnson Acom, #1994792  HOTARY PUBLIC - CALIFORNIA ALAMEDA COUNTY  My Comm. Exp. Nov. 6, 2016
Signature Lapon Lay My	(Seal)

# [ASSIGNMENT CONTINUATION]

Re; U.S. Patent Application entitled: System : Transfer Protocol Chains Inventor: McEnroe Navaraj	and Method for Detection of Malicious Hypertext
WITNESS MY HAND at Santa Classification day of February (md	(city, state)  (city, state)  (nth)  (year)
A.T.	
McEnroe Navaraj	
•	•
State of California	) ss. See attached
County of	) ss.
county of	,
On before me,	a Notary
Public, personally appeared	
subscribed to the within instrument and acknown in his/her/their authorized capacity(ies), and	vevidence to be the person(s) whose name(s) is/are owledged to me that he/she/they executed the same that by his/her/their signature(s) on the instrument ich the person(s) acted, executed the instrument.
I certify under PENALTY OF PERJURY under paragraph is true and correct.	under the laws of the State of California that the
	WITNESS my hand and official seal.
[Affix seal here]	
	C'
•	Signature of Notary Public

Page 5 of 12

3-

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California County of Santa (Lava )	
On <u>3-23-15</u> before me,	Reginald Liky Schwort Notory Public (insert name and title of the officer)
subscribed to the within instrument and acknow	vidence to be the person(s) whose name(s) is/are //ledged to me that he/she/they executed the same in by his/her/their signature(s) on the instrument the
I certify under PENALTY OF PERJURY under t paragraph is true and correct.	the laws of the State of California that the foregoing
WITNESS my hand and official seal.	Reginald Leroy Johnson Reginald Leroy Johnson COMM. #1994792 NOTARY PUBLIC - CALIFORNIA ALAMEDA COUNTY Hy COmm. Exp. Nov. 6, 2016 MINIMILIBRI MENDEN IN HINNERH HER HER HER HER HER HER HER HER HER
Signature deem Lo Roy Odl	(Seál)

#### [ASSIGNMENT CONTINUATION]

Transfer Protocol Chains Inventor: Frank Jas	na Meinou Jor De	ection of Mulicious Hyperiesi
WITNESS MY HAND at Sonta Co 23 day of Februa (date) (mor	(ara CA (city, state)	, this
Frank Jas	-	
State of California  County of	) ) ss. )	See attached
On before me,	wledged to me tha hat by his/her/thei	e person(s) whose name(s) is/ard at he/she/they executed the same r signature(s) on the instrumen
I certify under PENALTY OF PERJURY u foregoing paragraph is true and correct.	nder the laws of	the State of California that the
<b>'</b>	WITNESS my h	and and official seal.
[Affix seal here]		
	Signature of No	tary Public

Page 6 of 12

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California County of San (a Clara )	
on 2-33-15 before me, Reginal d (insert nar	May Whaton Notary Public me and title of the officer)
personally appeared Frank Jas who proved to me on the basis of satisfactory evidence to be to subscribed to the within instrument and acknowledged to me to his/per/their authorized capacity(jes), and that by his/her/their person(s), or the entity upon behalf of which the person(s) act	hat he/spertpey executed the same in signature(s) on the instrument the
I certify under PENALTY OF PERJURY under the laws of the paragraph is true and correct.	State of California that the foregoing
WITNESS my hand and official seal.	Reginald Leroy Johnson COMM. #1994792 NOTARY PUBLIC - CALIFORNIA ALAMEDA COUNTY My Comm. Exp. Nov. 6, 2016
Clanatura I Con Ma A I ded XI (Seal)	

### [ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: System System and Method for Detection of Malicious Hypertext Transfer Protocol Chains

Inventor: Liang Han

	· ·		
WITNESS MY HAND at PP	usanton, (	CA	, this
0772 / 12076 day of	02 (city, stat	te) 20/(-	harannan" :
"Ly (date) "Ly	(month)	(year)	
Liang Han	<u>~</u>		
•			
State of California	)	ng	
County of	)	SS.	
Onbefore me,	atisfactory evidence and acknowledged t ies), and that by his	o me that he/she/they e /her/their signature(s) =	ose name(s) is/are executed the same on the instrument
certify under PENALTY OF PE oregoing paragraph is true and corr		aws of the State of C	California that the
	WITNE	SS my hand and officia	ıl seal.
Affix seal here]			
	Signatu	re of Notary Public	aliananyananya, ayaya, aya, aya, aya, aya,

Page 7 of 12

A notary public or other officer completing this certificate document to which this certificate is attached, and not the	e verifies only the identity of the individual who signed the truthfulness, accuracy, or validity of that document.
State of California County of ALAMEOA	Darlene Milam, Notary Public
on <u>keb 21, 2015</u> before me,	Here Insert Name and Title of the Officer
personally appeared	Name(s) of Signer(s)
when the the within inetrinant and anknowled	evidence to be the person(s) whose name(s) is/an edged to me that he/site/they executed the same in cher/their signature(s) on the instrument the person(s) ed, executed the instrument.
	certify under PENALTY OF PERJURY under the law of the State of California that the foregoing paragrap is true and correct.
smeanannannannannannannannannannannannanna	WITNESS my hand and official seal.
COMM. #1970665 30 Notary Public - California O Alameda County	Signature Day Du Holum Signature of Notary Public
Му Comm. Expires Feb. 26; 2016	digitality of roomy visiting
Place Notary Seal Above	•
Though this section is optional, completing this	TIONAL information can deter alteration of the document or form to an unintended document.
Description of Attached Document	·
Title or Type of Document:	Document Date:
Number of Pages:Signer(s) Other That	Named Above:
Capacity(les) Claimed by Signer(s)	Signer's Name:
Signer's Name:	
☐ Partner — ☐ Limited ☐ General	☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact	☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator	☐ Trustee ☐ Guardian or Conservator
☐ Other:	Other:
Signer is Representing:	Signer Is Representing:

### [ASSIGNMENT CONTINUATION]

Public, personally appeared 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.	Re: U.S. Patent Application entitled: <i>Symmetry Protocol Chains</i> Inventor: Yucheng Ting	ystem and Metl	iod for Det	ection of Malici	ious Hypertext
County of				1	
County of	t e	,			
day of february (year)  Yucheng Ting  State of California ) ss.  County of ) ss.  On before me, a Notary Public, personally appeared 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.  [Afflix seal here]	WITNESS MY HAND at		n to the state of the plant of the state of	ana apagisa kapata wa <del>kama kama kama kama ka</del> ma kama kama kama	_, this
Yucheng Ting  State of California  ) ss.  County of  On before me, a Notary Public, personally appeared 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.  [Affix seal here]	22 day of	February	tate)	2015.	
State of California ) ss.  County of	(date)	(month)	e name een mee'n me leer kerreneriskinkskinkskinkskinkskinkstrage * * * * ****************************	(year)	
State of California ) ss.  County of					
State of California ) ss.  County of					
On	Yucheng Ting				
On					
On					
On					
On	State of California	)	दद		
Public, personally appeared 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.  1 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.  [Affix seal here]	County of	, )	507		
Public, personally appeared 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.  1 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.  [Affix seal here]	•				
Public, personally appeared 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.  1 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.  [Affix seal here]	On before me,	50 and 1 of 18 and 18 a	ententes i sensiele pipe perpepapapapapapalakken oleh oleh sensie	ar file file file file file file file file	, a Notary
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.  [Affix seal here]	Public personally appeared				
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.  [Affix seal here]	subscribed to the within instrument and	d acknowledged	d to me that	he/she/they ex	ecuted the same
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.  [Affix seal here]	in his/her/their authorized capacity(ies	), and that by I	nis/her/their	signature(s) or	the instrument
foregoing paragraph is true and correct.  WITNESS my hand and official seal.  [Affix seal here]					
[Affix seal here]	I certify under PENALTY OF PERI foregoing paragraph is true and correct	URY under the	e laws of t	he State of Cal	ifornia that the
	·	MITIW	NESS my h	and and official	seal.
Signatura of Notary Public	[Affix seal here]				
SIMILATOR OF FOURT AT A COLO		Signa	ture of Not	ary Public	ngandhi fallandhin 1901 i 11.12 (2011) (2012) an 12.22 dh'

Page 8 of 12

#### [ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: System a Transfer Protocol Chains Inventor: Manikandan Kenyan	na meini	ou jor 1	perection of maticiou	a Hyperiexi
WITNESS MY HAND at <u>Santor Cl</u> 23 day of <u>Februa</u> (date) (mon	ava (city, sta vy ith)	CA ite)	, tl _,, tl _,, (year)	his
EA. Marilcade.				
Manikandan Kenyan	_			
State of California	)	SS.	See attac	hed
County of	)			
On before me,				, a Notary
Public, personally appeared who proved to me on the basis of satisfactory subscribed to the within instrument and ackno in his/her/their authorized capacity(ies), and the person(s), or the entity upon behalf of which	evidence wledged hat by hi	to be to me	the person(s) whose n that he/she/they execu neir signature(s) on th	ted the same e instrument
I certify under PENALTY OF PERJURY us foregoing paragraph is true and correct.	nder the	laws c	of the State of Califo	rnia that the
,	WITN	ESS.m;	y hand and official sea	1.
[Affix seal here]		-		
	Cionate	ura of N	Notary Public	

Page 9 of 12

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

	validity of that document.
8	State of California County of <u>Santa Clara</u> )
(	on 2-3375 before me, Reginal A Color Abas on Notary Public (insert name and title of the officer)
V S	personally appeared Man Kandan Kenyon 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.
	certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
١	WITNESS my hand and official seal.  WITNESS my hand and official seal.  WITNESS my hand and official seal.
ļ	Signature Regula Jolan Stu- (Seal)

#### [ASSIGNMENT CONTINUATION]

Re; U.S. Patent Application entitled: System and Method for Detection of Malicious Hypertext

Public, personally appeared \_\_\_\_\_\_, 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.

[Affix seal here]

Signature of Notary Public

Page 10 of 12

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California County of Santa Clara	
On 2-20-15 before me, Reginal (inse	ld Leby Johnson Molary Pablicert name and title of the officer)
personally appeared <u>Fencional</u> Concewho proved to me on the basis of satisfactory evidence to subscribed to the within instrument and acknowledged to his/her/their authorized capacity(jes); and that by his/ber person(s), or the entity upon behalf of which the person(s)	o me that he/she/they executed the same in /(heir signature(s) on the instrument the
I certify under PENALTY OF PERJURY under the laws of paragraph is true and correct.	of the State of California that the foregoing
WITNESS my hand and official seal.	Reginald Leroy Johnson Comm. #1994792 NOTARY PUBLIC CALIFORNIA GALAMEDA COUNTY My Comm. Exp. Nov. 6, 2016
	A MANAGEMENT MANAGEMENT AND

# [ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: System and Method for Detection of Malicious Hypertext Transfer Protocol Chains
Inventor: Ali Golshan

WITNESS MY HAND at				, this
	(city,	state)		
day of	(month)	· · · · · · · ·	(year)	•
Ali Golshan				
State of California	)	ss.		
County of	Ś			
On before me, Public, personally appeared who proved to me on the basis of satisf subscribed to the within instrument and in his/her/their authorized capacity(ies) the person(s), or the entity upon behalf	factory evider l acknowledg , and that by	nce to be the ded to me the his/her/th	ne person(s) who hat he/she/they e eir signature(s)	ose name(s) is/are executed the same on the instrument
I certify under PENALTY OF PERJU foregoing paragraph is true and correct.	JRY under th	ne laws of	f the State of C	alifornia that the
	WIT	NESS my	hand and officia	al seal.
[Affix seal here]				
	Sign	ature of N	otary Public	

# [ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: System and Method for Detection of Malicious Hypertext Transfer Protocol Chains
Inventor; Shishir Singh

WITNESS MY HAND at Santa	Clora,	CA		, this
20 th day of Fe	chran	state)	. 2015	•
(date)	(month)		(year)	
Mirlinhall				
Shishir Singh				
State of California	)			
County of	)	SS.		
On before me,				, a Notary
Public, personally appeared who proved to me on the basis of satisfa subscribed to the within instrument and in his/her/their authorized capacity(ies),	acknowledge	ed to me tl	nat he/she/the	y executed the same
the person(s), or the entity upon behalf o	f which the p	person(s) a	cted, execute	d the instrument.
I certify under PENALTY OF PERJU foregoing paragraph is true and correct.	RY under th	e laws of	the State of	f California that the
	WIT	NESS my	hand and off	icial seal.
[Affix seal here]				
•	Sign	ature of N	otary Public	1

Page 12 of 12

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California County of Santa Clara	
On 2-30-15 before me, Region	Id La Coy Johnson Notary Pable sert name and title of the officer)
personally appeared <u>5/15/17</u> 51 N (who proved to me on the basis of satisfactory evidence subscribed to the within instrument and acknowledged his/her/their authorized capacity(jes), and that by his/herson(s), or the entity upon behalf of which the person	to be the person(s) whose name(s) is/are- to me that he/she/they executed the same in er/their signature(s) on the instrument the
I certify under PENALTY OF PERJURY under the laws paragraph is true and correct.	of the State of California that the foregoing
WITNESS my hand and official seal.	Reginald Leroy Johnson Comm. #1994792 NOTARY PUBLIC • CALIFORNIA GALAMEDA COUNTY My Comm. Exp. Nov. 6, 2016
Signature Ros Mr. La Roy John (S	©илилинания калинания канина кани еат)

#### ASSIGNMENT

WHEREAS, I, Mikola Bilogorskiy, a citizen of Canada, residing in Sunnyvale, CA have invented a "System and Method for Detection of Malicious Hypertext Transfer Protocol Chains" for which I have executed application papers for a U.S. patent thereon, which was filed on February 20, 2015, serial no. 14/627,686; and

WHEREAS, Cyphort Inc., a Delaware Corporation, having a place of business located at 5451 Great America Parkway, Suite 225, Santa Clara, CA 95054, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, I, Mikola Bilogorskiy do sell, assign, transfer and set over unto said Cyphort Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all Letters Patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention, in any or all continuation, continuation-in-part, divisional and/or converted utility and design patent applications and resulting Letters Patents together with any back damages and royalties accrued; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said Cyphort Inc., its successors and assigns, in accordance with this Assignment.

Page 1 of 2

### [ASSIGNMENT CONTINUATION]

Re; U.S. Patent Application entitled: System and Method for Detection of Malicious Hypertext

Transfer Protocol Chains Inventor: Mikola Bilogorskiy	
WITNESS MY HAND at South a C	(city, state)  (city, state)  (year)
Mikola Bilogorskiy	
A notary public or other officer completing this individual who signed the document to which th accuracy, or validity of that document.	certificate verifies only the identity of the is certificate is attached, and not the truthfulness,
State of California  County of	) ) ss. )
subscribed to the within instrument and acknow	vidence to be the person(s) whose name(s) is/are reledged to me that he/she/they executed the same at by his/her/their signature(s) on the instrument
I certify under PENALTY OF PERJURY und foregoing paragraph is true and correct.	der the laws of the State of California that the
	WITNESS my hand and official seal.
[Affix seal here]	
	Signature of Notary Public

Page 2 of 2



#### UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUNE 25, 2018

PTAS

HARRITY & HARRITY LLP 11350 RANDOM HILLS RD STE 600 FAIRFAX, VA 22030 504972695

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 06/22/2018 REEL/FRAME: 046174/0852

NUMBER OF PAGES: 22

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 0023-0904C1

**ASSIGNOR:** 

BURT, ALEX DOC DATE: 02/20/2015

ASSIGNOR:

BILOGORSKIY, NICK DOC DATE: 02/23/2015

ASSIGNOR:

NAVARAJ, MCENROE DOC DATE: 02/23/2015

ASSIGNOR:

JAS, FRANK DOC DATE: 02/23/2015

ASSIGNOR:

HAN, LIANG DOC DATE: 02/21/2015

ASSIGNOR:

TING, YUCHENG DOC DATE: 02/22/2018

ASSIGNOR:

KENYAN, MANIKANDAN DOC DATE: 02/23/2015

P.O. Box 1450, Alexandria, Virginia 22313-1450 - WWW.USPTO.GOV PATENT

REEL: 049087 FRAME: 0592

ASSIGNOR:

GONG, FENGMIN DOC DATE: 02/20/2015

ASSIGNOR:

 02/23/2015,
 ALI GOLSHAN
 DOC DATE: 02/23/2015

ASSIGNOR:

SINGH, SHISHIR DOC DATE: 02/20/2015

ASSIGNOR:

BILOGORSKIY, MIKOLA DOC DATE: 08/04/2017

ASSIGNEE:

CYPHORT INC.

5411 GREAT AMERICA PARKWAY

SUITE 225

SANTA CLARA, CALIFORNIA 94126

APPLICATION NUMBER: 15958282 FILING DATE: 04/20/2018

PATENT NUMBER: ISSUE DATE:

TITLE: SYSTEM AND METHOD FOR DETECTION OF MALICIOUS HYPERTEXT TRANSFER

PROTOCOL CHAINS

ASSIGNMENT RECORDATION BRANCH PUBLIC RECORDS DIVISION

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15958282

#### CORRESPONDENCE DATA

Fax Number:

Phone: 5714320800
Email: bdodge@harrityllp.com

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.

Correspondent Name: HARRITY & HARRITY LLP

Address Line 1: 11350 RANDOM HILLS RD STE 600

Address Line 4: FAIRFAX, VIRGINIA 22030

ATTORNEY DOCKET	0023-0904C1
NUMBER:	0023-0904C1
	***************************************

Date: 06/22/2018

/Kris M. Rhu, Reg. No. 74,817/

KRIS M. RHU

#### **Total Attachments: 20**

Signature:

NAME OF SUBMITTER:

source=0023-0904C1 Assignment#page1.tif

source=0023-0904C1 Assignment#page2.tif

source=0023-0904C1 Assignment#page3.tif

source=0023-0904C1 Assignment#page4.tif

source=0023-0904C1 Assignment#page5.tif

source=0023-0904C1 Assignment#page6.tif source=0023-0904C1 Assignment#page7.tif

source=0023-0904C1 Assignment#page8.tif

source=0023-0904C1 Assignment#page9.tif

source=0023-0904C1 Assignment#page10.tif

source=0023-0904C1 Assignment#page11.tif

source=0023-0904C1 Assignment#page12.tif

source=0023-0904C1 Assignment#page13.tif

source=0023-0904C1 Assignment#page14.tif

source=0023-0904C1 Assignment#page15.tif source=0023-0904C1 Assignment#page16.tif

source=0023-0904C1 Assignment#page17.tif

source=0023-0904C1 Assignment#page18.tif

source=0023-0904C1 Assignment#page19.tif

source=0023-0904C1 Assignment#page20.tif

#### RECEIPT INFORMATION

**EPAS ID:** PAT 5019441 **Receipt Date:** 06/22/2018

# Return to home page

| .HOME | INDEX | SEARCH | &BUSINESS | CONTACT US | PRIVACY STATEMENT

#### ASSIGNMENT

WHEREAS, we, Alexander Burt, a citizen of Russia, residing in San Jose, CA; Nick Bilogorskiy, a citizen of Canada, residing in Sunnyvale, CA; McEnroe Navaraj, a citizen of India, residing in Santa Clara, CA; Frank Jas, a citizen of the United States of America, residing in Scotts Valley, CA; Liang Han, a citizen of the United States of America, residing in Pleasanton, CA; Yucheng Ting, a citizen of Taiwan, residing in Milpitas, CA; Manikandan Kenyan, a citizen of the United States of America, residing in Saratoga, CA; Fengmin Gong, a citizen of the United States of America, residing in Livermore, CA; Ali Golshan, a citizen of Canada, residing in Santa Clara, CA; and Shishir Singh, a citizen of the United States of America, residing in Cupertino, CA have invented a "System and Method for Detection of Malicious Hypertext Transfer Protocol Chains" for which we have executed application papers for a U.S. patent thereon, which was filed on February 20, 2015, serial no. 14/627,686; and

WHEREAS, Cyphort Inc., a Delaware Corporation, having a place of business located at 5451 Great America Parkway, Suite 225, Santa Clara, CA 95054, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, we, Alexander Burt, Nick Bilogorskiy, McEnroe Navaraj, Frank Jas, Liang Han, Yucheng Ting, Manikandan Kenyan, Fengmin Gong, Ali Golshan and Shishir Singh do sell, assign, transfer and set over unto said Cyphort Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all Letters Patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights

Page 1 of 12

under the International Convention, in any or all continuation, continuation-in-part, divisional and/or converted utility and design patent applications and resulting Letters Patents together with any back damages and royalties accrued; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said Cyphort Inc., its successors and assigns, in accordance with this Assignment.

# [ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: System Transfer Protocol Chains Inventor: Alexander Burt	and Method for Detection of Maicious Hypertext
WITNESS MY HAND at Santa Cl  20th day of Febr (date) (inc	
Alexander Burt  State of California  County of Janta Clara	) See attached ) ss.
who proved to me on the basis of satisfactory subscribed to the within instrument and ackn in his/her/their authorized capacity(ies), and the person(s), or the entity upon behalf of whit I certify under PENALTY OF PERJURY	, a Notary evidence to be the person(s) whose name(s) is/are owledged to me that he/she/they executed the same that by his/her/their signature(s) on the instrument ich the person(s) acted, executed the instrument.
foregoing paragraph is true and correct.  [Affix seal here]	WITNESS my hand and official seal.
	Signature of Notary Public

Page 3 of 12

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

validity of that document.	
State of California County of Santa Clara	
On 2. 20-15 before me, Reginal d	Le Ray Johnson Matany Publi
personally appeared Alexander Surf who proved to me on the basis of satisfactory evidence to be subscribed to the within instrument and acknowledged to me his/her/their authorized capacity(ice), and that by his/her/thei person(s), or the entity upon behalf of which the person(s) ac	that he/she/they executed the same in ir signature(s) on the instrument the
I certify under PENALTY OF PERJURY under the laws of the paragraph is true and correct.	e State of California that the foregoing
WITNESS my hand and official seal.	Reginald Leroy Johnson Tools Notary Public California
Signature Fredrich 1. Dan Am 1800	Му Согати, Ехр. Nov. 6, 2016

# [ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: System and Method for Detection of Malicious Hypertext Transfer Protocol Chains

Inventor: Nick Bilogorskiy

WITNESS MY HAND at San-A	a Clara	CA	,	, this
WITNESS MY HAND at <u>San-fa</u> day of <u>FE</u>	bnan	, state)	. 2015.	<b>,</b>
(date)	(mohth)		(year)	·
-162	gare = 15			
Nick Bilogorskiy				
State of California	)	SS.	9. 07	tached
County of	)	33,	see w	Jacker -
On before me,		***************************************		, a Notary
Public, personally appearedwho proved to me on the basis of satis	sfactory evide	nce to be	the person(s) whos	e name(s) is/are
subscribed to the within instrument an in his/her/their authorized capacity(ie:				
the person(s), or the entity upon behalf				
I certify under PENALTY OF PERJ foregoing paragraph is true and correct		the laws o	of the State of Ca	lifornia that the
	Wf	TNESS m	y hand and official	seal.
[Affix seal here]	·			
			'	
	Sig	nature of l	Notary Public	

Page 4 of 12

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California County of Santa Gara	
On 3-33-15 before me,	Legisld Lolloy Jhashi Dorlam Public Linsert name and title of the officer)
personally appeared Null Bil who proved to me on the basis of satisfactory evisubscribed to the within instrument and acknowle his/her/their authorized capacity(ies), and that by person(s), or the entity upon behalf of which the	idence to be the person(s) whose name(s) is/are edged to me that he/spe/they executed the same in his/her/their signature(s) on the instrument the
I certify under PENALTY OF PERJURY under the paragraph is true and correct.	e laws of the State of California that the foregoing
WITNESS my hand and official seal.	Reginald Leroy Johnson Reginald Leroy Johnson Acom, #1994792  HOTARY PUBLIC - CALIFORNIA ALAMEDA COUNTY  My Comm. Exp. Nov. 6, 2016
Signature Lang Lay My	(Seal)

### [ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: Sy Transfer Protocol Chains Inventor: McEnroe Navaraj	stem and Me	thod for Detecti	on of Malicious .	Hypertext
WITNESS MY HAND at Santa	Clara (city, boyang (mdnth)	State)	, thi 2015 (year)	S
D				
McEnroe Navaraj				
	,	•		,
State of California	)	. Se	e attac	red
County of	Ś	au <sub>t</sub>		
On before me,				, a Notary
Public, personally appeared who proved to me on the basis of satisf subscribed to the within instrument and in his/her/their authorized capacity(ies) the person(s), or the entity upon behalf of	acknowledge, and that by	ed to me that he, his/her/their sig	/she/they execute nature(s) on the	d the same instrument
I certify under PENALTY OF PERJU foregoing paragraph is true and correct.	JRY under th	ne laws of the	State of Californ	ia that the
	WIT	NESS my hand	and official seal.	
[Affix seal here]			·	
	Sign	ature of Notary	Public	

Page 5 of 12

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California County of Santa (Lava)	
On 3-23-15 before me, Project	d ( Ray Johnson Notory Public thame and title of the officer)
personally appeared MCGnroe Nava who proved to me on the basis of satisfactory evidence to subscribed to the within instrument and acknowledged to his/her/their authorized capacity(iee), and that by his/her/their person(s), or the entity upon behalf of which the person(s)	be the person(s) whose name(a) is/are me that he/she/they executed the same beir signature(s) on the instrument the
I certify under PENALTY OF PERJURY under the laws of paragraph is true and correct.	the State of California that the foregoing
WITNESS my hand and official seal.	Reginald Leroy Johnson  Reginald Leroy Johnson  COMM. #1994792  NOTARY PUBLIC - CALIFORNIA CONTON  ALAMEDA COUNTY  My Comm. Exp. Nov. 6, 2016
Signature de avalle la Roy Mu (Seal)	1 1

PATENT REEL: 049087 FRAME: 0603

#### [ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: System and Method for Detection of Malicious Hypertext Transfer Protocol Chains Inventor: Frank Jas WITNESS MY HAND at Sonta Clara See attached State of California County of before me, Public, personally appeared 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. [Affix seal here]

Page 6 of 12

Signature of Notary Public

A notary public or other officer completing this certificate verifles only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California County of San (a Clara )	
On 2-33-15 before me, Reginal a May Molary For (insert name and title of the officer)	ablic
personally appeared Frank JAJ who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the satisfactory evidence to be the person(s) whose name(s) is subscribed to the person(s) of the instrument to the person(s) of the entity upon behalf of which the person(s) acted, executed the instrument.	31116 111
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoragraph is true and correct.	going
WITNESS my hand and official seal.  WITNESS my hand and official seal.  WITNESS my hand and official seal.  One of the control	
Signature Resident Iday War (Seal)	

PATENT REEL: 049087 FRAME: 0605

#### [ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: System System and Method for Detection of Malicious Hypertext Transfer Protocol Chains

Inventor: Liang Han

	· ·		
WITNESS MY HAND at PP	usanton, (	CA	, this
0772 / 12076 day of	02 (city, stat	te) 20/(-	harannan" :
"Ly (date) \Ly	(month)	(year)	
Liang Han	<u>~</u>		
•			
State of California	)	ng	
County of	)	SS.	
Onbefore me,	atisfactory evidence and acknowledged t ies), and that by his	o me that he/she/they e /her/their signature(s) =	ose name(s) is/are executed the same on the instrument
certify under PENALTY OF PE oregoing paragraph is true and corr		aws of the State of C	California that the
	WITNE	SS my hand and officia	ıl seal.
Affix seal here]			
	Signatu	re of Notary Public	aliananyananya, ayaya, aya, aya, aya, aya,

Page 7 of 12

ALIFORNIA ALL-PURPOSE ACKNOWLEDGN	
A notary public or other officer completing this certificat document to which this certificate is attached, and not the	e verifies only the identity of the individual who signed the truthfulness, accuracy, or validity of that document.
State of California ) County of ALAMEOA )	- 11
on Eeb 21, 2015 before me,	Darlene Milam, Notary Public
Date	Here Insert Name and Title of the Officer
personally appeared	HAN
	Name(s) of Signer(s)
التقاد والمساق المهدم فسيموه وسقمونا سلماقانه والماء سياة سنة المساكرين والماء	evidence to be the person(s) whose name(s) is/aredged to me that he/sple/they executed the same is s/ner/their signature(s) on the instrument the person(s) ted, executed the instrument.
•	certify under PENALTY OF PERJURY under the law of the State of California that the foregoing paragrap is true and correct.
эннапприрышниний жийн жана жана жана жана жана жана жана жа	WITNESS my hand and official seal.
COMM. #1970665 Z	Signature Day Down Holem Signature of Notary Public
Му Comm. Expires Feb. 26, 2016	
Place Notary Seal Above	TIONAL -
Though this section is optional, completing this fraudulent reattachment of this	information can deter alteration of the document or form to an unintended document.
Description of Attached Document	·
Title or Type of Document:	Document Date:
Number of Pages: Signer(s) Other The	n Named Above:
Capacity(les) Claimed by Signer(s)	
Signer's Name:	Signer's Name:
☐ Corporate Officer — Title(s):	☐ Corporate Officer — Title(s):
☐ Partner — ☐ Limited ☐ General ☐ Individual ☐ Attorney in Fact	☐ Individual ☐ Attorney in Fact
☐ Individual ☐ Attorney in Fact ☐ Trustee ☐ Guardian or Conservator	☐ Trustee ☐ Guardian or Conservator
The Contract and the Contract of the Contract	Other:
Other:	Signer Is Representing:

PATENT REEL: 049087 FRAME: 0607

#### [ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: Transfer Protocol Chains Inventor: Yucheng Ting	System and	Method for	Detection of Mal	icious Hypertext
			•	
t.				
WITNESS MY HAND at	djel <del>en den megere den delmelo</del> Mosking Mosking Mosking Grij (medians aksi Pasis	والمراجعة والمعاون وا		, this
2 2 day of	Folia (C	ity, state)	20/5	
22 day of	(month)		, 20/5 (year)	<del>-</del> '
and we will see the second				
	<b>,</b>			
Yucheng Ting	ellanos la cinada de la cinada d			·
	•			
State of California	)			
County of	)	SS.		
white all proper to graphic consequences that are the contract of the contract	•			
On before me,				, a Notary
Public nersonally appeared				, , , , , , , , , , , , , , , , , , ,
who proved to me on the basis of sa subscribed to the within instrument a	tisfactory ev and acknowle	idence to be	the person(s) whi	ose name(s) is/are executed the same
in his/her/their authorized capacity(i	ies), and that	by his/her/t	heir signature(s)	on the instrument
the person(s), or the entity upon beha	alf of which t	he person(s)	acted, executed t	he instrument.
I certify under PENALTY OF PER foregoing paragraph is true and corre	RJURY unde	er the laws	of the State of C	California that the
	,	WITNESS m	y hand and offici	al seal.
[Affix seal here]				
4				
	Ş	Signature of	Notary Public	ом станування модель формация в места по со со со се

Page 8 of 12

#### [ASSIGNMENT CONTINUATION]

Transfer Protocol Chains Inventor: Manikandan Kenyan	·	inva joi 1	relection of h	Junerous Experient	
WITNESS MY HAND at <u>San For</u> 23 day of <u>FOr</u> (date)	Clava (city, (month)	CA state)	, 2015 (year)	, this	
EA Marilcool.					
Manikandan Kenyan					
State of California	)	SS.	See a	tached	
County of	)				
On before me, Public, personally appeared	•		-	, a Notar	y
who proved to me on the basis of satisfact subscribed to the within instrument and a in his/her/their authorized capacity(ies), the person(s), or the entity upon behalf of	icknowledge and that by	ed to me t his/her/th	hat he/she/the eir signature	ey executed the sam (s) on the instrumer	e
I certify under PENALTY OF PERJUR foregoing paragraph is true and correct.	RY under th	he laws o	f the State o	of California that th	e
	WIT	NESS my	/ hand and of	ficial seal.	
[Affix seal here]					
	Sior	nature of N	Jotary Public		

Page 9 of 12

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

validity of that document.	<b>_</b>
State of California County of <u>Santa Clara</u>	
On 2-23 15 before me, Pagin	nsert name and title of the officer)
personally appeared Man London who proved to me on the basis of satisfactory evidence subscribed to the within instrument and acknowledged his/her/their authorized capacity(ies), and that by his/h person(s), or the entity upon behalf of which the person	e to be the person(s) whose name(s) is/are If to me that he/she/they executed the same in per/their signature(s) on the instrument the
I certify under PENALTY OF PERJURY under the law paragraph is true and correct.	s of the State of California that the foregoing
WITNESS my hand and official seal.	Reginald Leroy Johnson  Reginald Leroy Johnson  COMM. #1994792  NOTARY PUBLIC - CALIFORNIA ST  ALAMEDA COUNTY  My Comm. Exp. Nov. 6, 2016
Signature Regula 1000 Stu-	Seal)

#### [ASSIGNMENT CONTINUATION]

Re; U.S. Patent Application entitled: System and Method for Detection of Malicious Hypertext

Transfer Protocol Chains
Inventor: Fengmin Gong

WITNESS MY HAND at Santa Clara A , this

20 4 , this

(city, state) , 20/5 , (date) (month) (year)

State of California ) ss. See attached County of Santa Clara )

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.

[Affix seal here]

Signature of Notary Public

Page 10 of 12

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California County of Santa Clara	_
On 2-20-15 before me, Regin	add LeBy Johnson Molary Pabli sert name and title of the officer)
personally appeared <u>Fendmin</u> Concewho proved to me on the basis of satisfactory evidence subscribed to the within instrument and acknowledged his/her/their authorized capacity(jes); and that by his/b person(s), or the entity upon behalf of which the person	I to me that he/she/they executed the same in er/(beir signature(s) on the instrument the
I certify under PENALTY OF PERJURY under the law paragraph is true and correct.	s of the State of California that the foregoing
WITNESS my hand and official seal.	Reginald Leroy Johnson  Reginald Leroy Johnson  COMM. #1994792  NOTARY PUBLIC - CALIFORNIA  ALAMEDA COUNTY  My Comm. Exp. Nov. 6, 2016

# [ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: System and Method for Detection of Malicious Hypertext Transfer Protocol Chains
Inventor: Ali Golshan

WITNESS MY HAND at				, this
1 6	(city,	state)		
day of (date)	(month)	,	(year)	•
Ali Golshan				
All Goisnan				
State of California	)	SS.		
County of	)	55.		
On before me,				, a Notary
Public, personally appeared who proved to me on the basis of sa subscribed to the within instrument a in his/her/their authorized capacity(ithe person(s), or the entity upon behavior).	and acknowledge les), and that by	ed to me that h his/her/their s	e/she/they e ignature(s) o	xecuted the same on the instrument
I certify under PENALTY OF PER foregoing paragraph is true and corre		ne laws of the	State of C	alifornia that the
	WIT	NESS my han	d and officia	ıl seal.
[Affix seal here]				
	Sign	ature of Notary	/ Public	

# [ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: System and Method for Detection of Malicious Hypertext Transfer Protocol Chains
Inventor; Shishir Singh

WITNESS MY HAND at Santa	Clora,	CA		, this
20 th day of F	Chyana (city, s	state)	2015	-
(date) \ \	(month)		(year)	
Minfinhall				
Shishir \$ingh				
State of California	)			
County of	)	SS.		
Journal of	,			
On before me,				, a Notary
Public, personally appeared	Catana avidas	no to ho th	A #AHAA#(A)	whose nema(s) islare
who proved to me on the basis of satisf subscribed to the within instrument and	actory evident acknowledge	d to me th	at he/she/the	ey executed the same
n his/her/their authorized capacity(ies) he person(s), or the entity upon behalf or	, and that by	his/her/the	ir signature(	(s) on the instrument
certify under PENALTY OF PERJU foregoing paragraph is true and correct.	JRY under th	e laws of	the State o	f California that the
	WIT	NESS my	hand and off	icial seal.
[Affix seal here]				,
e versio made vegen.				
	Sign	ature of No	otary Public	

Page 12 of 12

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

valuely of that about the
State of California County of Sanda Clara
On 2-20-15 before me, Reginald Cally Johnson Nolary Pablic (insert name and title of the officer)
personally appeared <u>5/15/hr</u> <u>5/14/6H</u> 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/lbey executed the same in his/her/their authorized capacity(jes), 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,  WITNESS my hand and official seal,  WITNESS my hand and official seal,  Reginald Leroy Johnson B COMM. #1994792  MOTARY PUBLIC • CALIFORNIA II ALAMEDA COUNTY My Comm. Exp. Nov. 6, 2016
Signature Os Mr La Su (Seal)

PATENT REEL: 049087 FRAME: 0615

**RECORDED: 05/06/2019**