

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5234930

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BERNARD THOMAS	03/16/2015
DAVID SCOTT	02/02/2015
FRED BROTT	01/29/2015
PAUL SMITH	01/26/2015
RECEIVING PARTY DATA	
Name:	CSG CYBER SOLUTIONS, INC.
Street Address:	201 N. UNION STREET
City:	ALEXANDRIA
State/Country:	VIRGINIA
Postal Code:	22314
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16185865
CORRESPONDENCE DATA	
Fax Number:	(202)842-7899
<i>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.</i>	
Phone:	703-456-8000
Email:	vtevalt@cooley.com
Correspondent Name:	COOLEY LLP
Address Line 1:	1299 PENNSYLVANIA AVENUE
Address Line 2:	SUITE 700, ATTN: PATENT GROUP
Address Line 4:	WASHINGTON, D.C. 20004-2400
ATTORNEY DOCKET NUMBER:	FEYE-001/09US 317279-2026
NAME OF SUBMITTER:	XIANHUA KONG
SIGNATURE:	/Xianhua Kong/
DATE SIGNED:	11/13/2018
Total Attachments: 6	
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PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT:

Assignor(s):

Bernard Thomas
44235 Cessna Lane
Ashburn, VA 20147
United States

Fred Brott
1250 S. Washington St., Apt. 601
Alexandria, Virginia 22314
United States

David Scott
463 Windol Ct.
Marietta, GA 30066
United States

Paul Smith
770 Crest Valley Drive N.W.
Atlanta, Georgia 30327
United States

Assignee:

CSG Cyber Solutions, Inc.
201 N. Union Street
Alexandria, VA 22314
United States

State of Incorporation: Delaware

PATENT APPLICATION SUBJECT TO THE ASSIGNMENT:

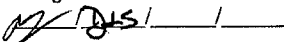
Serial Number..... PCT/US2014/58909
Filing Date..... 2 October 2014
Attorney Docket No. P242022.WO.01
Title: DYNAMIC ADAPTIVE DEFENSE FOR CYBER-SECURITY THREATS

WHEREAS, the Assignor(s) identified above (hereinafter, individually and collectively the "Assignor"), have invented certain new and useful processes, methods, machines, devices, systems, manufactures, and/or compositions of matter, or new and useful improvements thereof (the "Invention"), disclosed and described in an application for Letters Patent under the Patent Cooperation Treaty designating, among other nations, the United States ("U.S.") filed on the filing date indicated above in the United States Patent and Trademark Office ("USPTO") as Receiving Office and identified by the title, application number, and/or attorney docket number indicated above (the "Patent Application"); and

WHEREAS, Assignee, a corporation organized and existing under the laws of the State indicated above, and having its principal place of business at the address indicated above, desires to acquire the entire right, title, and interest of Assignor in and to the Invention, the Patent Application and in, to, and under any and all Letters Patent to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, and transferred and does hereby sell, assign, and transfer to the Assignee, its successors, legal representatives, and assigns, the entire right, title and interest in and to the Invention, the Patent Application, and any and all U.S. national application filings claiming priority thereto, including all divisional, continuation, continuation-in-part, and continuing prosecution applications that claim priority thereto, and any reexamination and reissue applications thereof; all international, regional, and foreign applications that claim

Assignors' Initials



priority to, are counterparts of, or otherwise correspond thereto; the Letters Patent, both in the United States and in countries or regions foreign thereto, that may or shall issue or have issued therefrom; any extensions, substitutes, or renewals thereof; the right to claim priority to the filing date of the Patent Application; any right, title, or interest in and to the Invention under any international conventions; and any and all rights to collect damages for past, present, and future infringement of any U.S. or foreign rights, including provisional rights, which may be, shall be, or have been granted pursuant to the Patent Application (collectively "the Patent Rights"); and;

In the event that the Patent Application claims priority to a provisional application previously filed and the provisional application was previously subject to an assignment from the Assignor, or one or more thereof, to the Assignee, this Assignment shall be considered a confirmatory assignment thereof; and

Assignor further authorizes said Assignee, its successors, and assigns, or anyone it may properly designate, to apply for Letters Patent in the U.S. and any and all foreign countries and regions, in its own name if desired, and otherwise take advantage of the provisions of any international conventions; and

Assignor hereby authorizes and requests transfer of the Patent Application and any further applications, which may be or shall have been filed under the Patent Rights, to the Assignee in accordance herewith and further authorizes and requests any official of any State whose duty consists of issuing patents or other evidence or forms of any industrial property protection issuing from the Patent Application and all related applications, to issue same to the Assignee, its successors, and assigns in accordance herewith; and

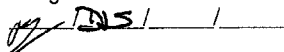
Assignor hereby authorizes Assignee, its successors and assigns, or anyone it may properly designate, to insert in this instrument the application number and filing date of the Patent Application once known.

Assignor represents and warrants that Assignor has the right, title, and authority to execute this Assignment and to convey all right, title, and interest in the Patent Rights, and that Assignor has not conveyed nor will convey hereafter all or part of the Patent Rights to a third party, and Assignor hereby covenants and agrees with the Assignee, its successors and assigns, that Assignor will not execute in writing or do any act whatsoever conflicting with these representations; and

Assignor, on behalf of any individuals associated with the filing or prosecution of the Patent Application in Assignor's employ or under its control, agrees to disclose to the Assignee any information, including, but not limited to, prior art references, that Assignor is presently aware of or becomes aware of in the future that would materially affect the patentability of the Invention or the Patent Application or the present or future validity of the Patent Rights; and

Assignor, Assignor's successors, legal representatives, or administrators will at any time upon request, without further or additional consideration, but at the expense of the Assignee, its successors, and assigns, execute such additional writings and do such additional acts as said Assignee, its successors, and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for, obtaining, and enforcing any of the Patent Rights, including giving testimony in any proceedings or transactions involving such Patent Rights; and

Assignors' Initials



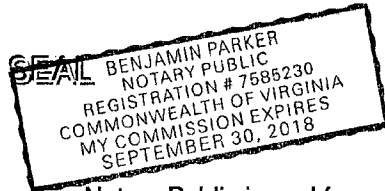
4846-3046-7103\1

This document may be executed in two or more counterparts and by facsimile, all of which shall be deemed an original, and all of which together shall constitute one and the same instrument; and

Assignor further covenants and agrees that this Assignment is effective as of 2 October 2014.

IN WITNESS WHEREOF, the Assignor hereunto has executed this Assignment upon the date indicated below.

STATE OF Virginia)
CITY OF Ashburn) ss.
COUNTY OF Loudoun)



By: [Signature]
Bernard Thomas
Dated: 3/16/15

Before me, a Notary Public in and for said County and State, personally appeared **Bernard Thomas**, who executed the foregoing instrument for the purposes and considerations therein expressed.

Given under my hand and seal of office this 16 day of March, 2015

[Signature]
Notary Public

My Commission Expires: 09/30/2018

Assignors' Initials
_____/_____/_____/_____

STATE OF _____)
CITY OF _____) ss.
COUNTY OF _____)

SEAL

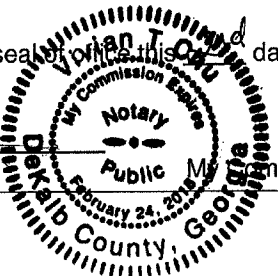
By: David Scott
David Scott

Dated: 2/2/2015

Before me, a Notary Public in and for said County and State, personally appeared **David Scott**, who executed the foregoing instrument for the purposes and considerations therein expressed.

Given under my hand and seal of office this 2 day of February, 2015

[Signature]
Notary Public



My Commission Expires: Feb 24, 2018

STATE OF _____)
CITY OF _____) ss.
COUNTY OF _____)

SEAL

By: _____
Fred Brot

Dated: _____

Before me, a Notary Public in and for said County and State, personally appeared **Fred Brot**, who executed the foregoing instrument for the purposes and considerations therein expressed.

Given under my hand and seal of office this ____ day of _____, 2014.

Notary Public

My Commission Expires: _____

Assignors' Initials
[Signature]
4846-3046-7103\1

STATE OF _____)
 CITY OF _____) ss.
 COUNTY OF _____)

By: _____
David Scott

Dated: _____

SEAL

Before me, a Notary Public in and for said County and State, personally appeared **David Scott**, who executed the foregoing instrument for the purposes and considerations therein expressed.

Given under my hand and seal of office this _____ day of _____, 2014.

 Notary Public My Commission Expires: _____

STATE OF Virginia)
 CITY OF Alexandria) ss.
 COUNTY OF _____)

By: _____
Fred Brott

Dated: 1/29/15

SEAL
 Ramita KC
 Commonwealth of Virginia
 Notary Public
 My Commission Expires 6/30/2015

Before me, a Notary Public in and for said County and State, personally appeared **Fred Brott**, who executed the foregoing instrument for the purposes and considerations therein expressed.

Given under my hand and seal of office this 29th day of January, 2015

 Notary Public # 7506310 My Commission Expires: 06.30.15

Assignors' Initials
WS / / / /

STATE OF Georgia)
CITY OF) ss.
COUNTY OF DeKalb)

SEAL

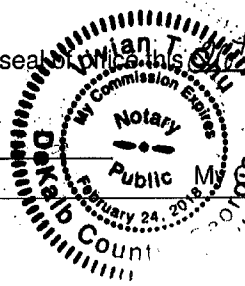
By: [Signature]
Paul Smith

Dated: Jan 26, 2015

Before me, a Notary Public in and for said County and State, personally appeared **Paul Smith**, who executed the foregoing instrument for the purposes and considerations therein expressed.

Given under my hand and seal of this State day of January, 2015

[Signature]
Notary Public



My Commission Expires Feb 28, 2018

The Assignee hereby acknowledges and accepts the foregoing assignment of rights by Assignor.

IN TESTIMONY WHEREOF, the Assignee, by its undersigned officer, confirms its acceptance on the date set forth below.

ASSIGNEE: **CSG Cyber Solutions, Inc.**

Dated: 4-13-2015 [Signature]
(signature)

Place: Atlanta Georgia USA By: Wes Hargraves
(printed name of authorized agent of assignee)

Its: Vice President
(title)

[Signature]
(Witness #1: signature)
Kristy Williams
(Witness #1: printed name)

[Signature]
(Witness #2: signature)
Vivian T. Chu
(Witness #2: printed name)

Assignors' Initials
[Initials]
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