504087482 11/08/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4134150

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALLISON MANKIN	01/29/2015
ABEDELAZIZ MOHAISEN	01/29/2015
TREVOR TONN	10/14/2014

RECEIVING PARTY DATA

Name:	VERISIGN, INC.			
Street Address:	12061 BLUEMONT WAY			
City:	RESTON			
State/Country:	VIRGINIA			
Postal Code:	20190			

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15346694

CORRESPONDENCE DATA

Fax Number: (408)715-1201

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: 408-715-1211

Email: kcruz@artegislaw.com, algdocketing@artegislaw.com

ARTEGIS LAW GROUP, LLP-VERISIGN, INC. **Correspondent Name:**

710 LAKEWAY DRIVE Address Line 1:

Address Line 2: **SUITE 185**

Address Line 4: SUNNYVALE, CALIFORNIA 94085

ATTORNEY DOCKET NUMBER:	SIGN0057USC1
NAME OF SUBMITTER:	JOHN C. CAREY
SIGNATURE:	/John C. Carey/
DATE SIGNED:	11/08/2016

Total Attachments: 6

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SOLO/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 11569.0240

ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

WHEREAS I/We, the below named inventor(s), (hereinafter referred to as Assignor(s)), have made an invention claimed and/or described in an application for United States Letters Patent entitled:

CLASSIFYING MALWARE BY ORDER OF NETWORK REHAVIOR ARTIEACTS

money contains contains and an externation of the short for the short for the short was the state of the
filed October 6, 2014 and accorded U.S. Application No. 14/507,330; and which claims the benefit of United States
Provisional Application No. 61/889,889, filed October 11, 2013, and
WHEREAS, Verisign, Inc.
a corporation of Delaware
whose post office address is 12061 Bluemont Way, Reston, VA 20190

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions and continuations thereof, and any provisional application whose benefit is claimed therefrom, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, as well as all rights to claim priority on the basis of this application in any foreign country, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Director of the United States Patent and Trademark Office and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful paths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request my/our agents, MH2 Technology Law Group LLP, whose address is 1951 Kidwell Drive, Suite 550, Tysons Corner, VA 22182, to insert hereon any identification necessary or desirable for recordation of this document, including the filing date and application number of said application when known.



Page 1 of 3

SOLO/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 11569.0240

As a named inventor below, I hereby declare that: (1) this declaration is directed to the above-identified application; (2) the above-identified application was made or authorized to be made by me; (3) my residence and mailing address are as stated below next to my name; and (4) I believe I am an original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment of not more than five (5) years, or both, under section 1001 of Title 18 of the United States Code.

As a below named inventor, I have reviewed and understand the contents of the application, including the claims, and am aware of the duty to disclose to the USPTO all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

Authorization To Permit Access To Application by Participating Offices:

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified patent application is filed access to have access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the Applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the above identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application-as-filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application; and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

County of	<u> Fairfax</u>)	Name:	Allison Mankin
) ss.	Mailing Address:	12061 Bluemont Way
)		Reston, VA 20190
		.}	Residence:	Bethesda, MD
State of	Viccinia)	Вух	alley more
			Date:	1/29/15
Subscribe	d and sworn to before n	ne this <u>◇}i*</u> d lotary Public	ay of January 2015	JAMIE LEE MCNULTY Notary Public Commonwealth of Virginia 7031891 My Commission Expires Apr 30, 2018

County of F	arfax)	Name:	Abedelaziz Mohaisen
) 88.	Mailing Address:	12061 Bluemont Way
		}		Reston, VA 20190
)	Residence:	Chantilly, VA
State of	1001060)	Ву:	<u>mga</u>
			Date:	1/24/2015
Janu di	<u> 2009/2004</u> , No	tary Public		JAMIE LEE MCNULTY Notary Public Commonwealth of Virginia 7031891 My Commission Expires Apr 30, 2018
County of		}	Name:	Trevor Tonn
) ss.	Mailing Address:	12061 Bluemont Way
		· }		Reston, VA 20190
)	Residence:	McLean, VA
State of)	Ву:	
			Date:	
Subscribed an	nd sworn to before me	this data	ay of, 20	••••

SOLO/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 11569,0240

ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

WHEREAS I/We, the below named inventor(s), (hereinafter referred to as Assignor(s)), have made an invention claimed and/or described in an application for United States Letters Patent entitled:

CLASSIFTING MALWARE BY ORDER OF NETWORK BEHAVIOR ARTIFACTS
filed herewith, which claims the benefit of United States Provisional Application No. 61/889,889, filed October 11, 2013; and
WHEREAS, Verisign, Inc. a corporation of Delaware
whose post office address is12061 Bluemont Way, Reston, VA 20190
(hardinafter referred to be Assigned) in decircular of security the section of th

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions and continuations thereof, and any provisional application whose benefit is claimed therefrom, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, as well as all rights to claim priority on the basis of this application in any foreign country, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Director of the United States Patent and Trademark Office and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request my/our agents, MH2 Technology Law Group LLP, whose address is 1951 Kidwell Drive, Suite 550, Tysons Corner, VA 22182, to insert hereon any identification necessary or desirable for recordation of this document, including the filing date and application number of said application when known.

As a named inventor below, I hereby declare that: (1) this declaration is directed to the above-identified application; (2) the above-identified application was made or authorized to be made by me; (3) my residence and mailing address are as stated below next to my name; and (4) I believe I am an original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment of not more than five (5) years, or both, under section 1001 of Title 18 of the United States Code.

As a below named inventor, I have reviewed and understand the contents of the application, including the claims, and am aware of the duty to disclose to the USPTO all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

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In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application-as-filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application; and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

County of)		Name:	Allison Mankin
) \$	3S.	Mailing Address:	12061 Bluemont Way
)			Reston, VA 20190
)		Residence:	Bethesda, MD
State of	_)		By:	
			Date:	
Subscribed and sworn to before m	e this otary Public	day	of , 20	
County of	_)) s	8 5 .	Name: Mailing Address:	Abedelaziz Mohaisen 12061 Bluemont Way
Page 2 of 3			·	

SOLO/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 11569,0240

		}		Reston, VA 20190
		}	Residence:	Chantilly, VA
State of	***************************************)	Ву:	
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County of	KING	)	Name:	Trevor Tonn
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		}	The second secon	Reston, VA 20190
	A 0 14	<b>Y</b>	Residence:	McLeap, VA
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**RECORDED: 11/08/2016**