505682491 09/20/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5729299

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL J SBANDI	09/05/2019
MARISA KAMER	09/05/2019
SANJAY LOHAR	09/05/2019
MARGARET M BREWER	09/19/2019
ANNA E GANSE	09/19/2019

RECEIVING PARTY DATA

Name:	BANK OF AMERICA CORPORATION
Street Address:	214 N. TRYON ST.
Internal Address:	MAIL CODE NC 1-027-20-05
City:	CHARLOTTE
State/Country:	NORTH CAROLINA
Postal Code:	28255

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16576988

CORRESPONDENCE DATA

Fax Number: (312)463-5001

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: 3124635000

sbodamer@bannerwitcoff.com, BWPTOPAT@bannerwitcoff.com Email:

BANNER & WITCOFF, LTD Correspondent Name: Address Line 1: 71 SOUTH WACKER DRIVE

Address Line 2: **SUITE 3600**

Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER:	007131.02168
NAME OF SUBMITTER:	STEPHANIE BODAMER
SIGNATURE:	/Stephanie Bodamer/
DATE SIGNED:	09/20/2019

PATENT REEL: 050441 FRAME: 0951 505682491

Total Attachments: 10 source=9316 US1 Combined Declaration and Assignment as filed#page1.tif source=9316 US1 Combined Declaration and Assignment as filed#page2.tif source=9316 US1 Combined Declaration and Assignment as filed#page3.tif source=9316 US1 Combined Declaration and Assignment as filed#page4.tif source=9316 US1 Combined Declaration and Assignment as filed#page5.tif source=9316 US1 Combined Declaration and Assignment as filed#page6.tif source=9316 US1 Combined Declaration and Assignment as filed#page7.tif source=9316 US1 Combined Declaration and Assignment as filed#page8.tif source=9316 US1 Combined Declaration and Assignment as filed#page9.tif source=9316 US1 Combined Declaration and Assignment as filed#page9.tif

PATENT REEL: 050441 FRAME: 0952

9316 US1

Title of Invention	Cyber Resilience Chaos Stress Testing
As the below	named inventor, I hereby declare that:
This declaration is directed to:	A THE attached application, or
	United States application or PCT international application number filed on
The above-ide	entified 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 application.
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or tof not more than five (5) years, or both.
	ASSIGNMENT
Carolina (0 was filed on e below, hereby	Michael J. Sbandi ("Assignor"), a citizen of <u>United States</u> (Country), residing in <u>Charlotte, North</u> City, State/Province) have invented the above invention. If the following lines are blank, the above application ven date herewith, otherwise, to comply with 37 C.F.R. §3.21 for recordal of this assignment, I, an assignor authorize the attorneys for Bank of America to insert the filing date and application number below after they an and prior to filing the recordation.
	U.S. Application No. <u>16/576,988</u> , filed <u>9-20-2019</u> .
Delaware, and title and inter	NK OF AMERICA CORPORATION ("Assignee"), a Corporation duly organized under the laws of the State of dhaving its offices and place of business at Charlotte, North Carolina, is desirous of acquiring the entire right, est in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the of America, and in any and all countries foreign thereto:
NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Letters Patent granted therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuations, continuation-in-parts and extensions thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, confidential information, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and request the Commissioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest. I represent and warrant that I have full right to agree to, execute, and deliver this assignment. I agree that I will without further consideration, but at the expense of Assignee, communicate to said Assignee, or its successors, assigns, or nominees, any and all facts known to me regarding said inventions whenever requested, and that I will execute all non-provisional, divisional, reissue, reexamination, continuation and continuation-in-part applications, testify in any legal proceedings, sign all lawful papers, make all rightful oaths, and generally do	

WARNING:

purposes are not retained in the application me and therefore a	re not public	ry avanabic.	
LEGAL NAME OF INVENTOR			
Inventor: <u>Michael J. Sbandi</u>	Date:	9/5/19	
Signature: / Michael Sbandi			

9316 US1

Title of Invention	Cyber Resilience Chaos Stress Testing
As the below	named inventor, I hereby declare that:
This declaration is directed to:	The attached application, or
	United States application or PCT international application number filed on
The above-ide	entified application was made or authorized to be made by me.
I believe that	am the original inventor or an original joint inventor of a claimed invention in the application.
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or of not more than five (5) years, or both.
	ASSIGNMENT
State/Provinc date herewith authorize the	Marisa Kamer ("Assignor"), a citizen of United State(Sountry), residing in Naperville, IL (City, e) have invented the above invention. If the following lines are blank, the above application was filed on even, otherwise, to comply with 37 C.F.R. §3.21 for recordal of this assignment, I, an assignor below, hereby attorneys for Bank of America to insert the filing date and application number below after they become ior to filing the recordation.
	U.S. Application No. <u>16/576,988</u> , filed <u>09-20-2019</u> .
Delaware, and title and inter	NK OF AMERICA CORPORATION ("Assignee"), a Corporation duly organized under the laws of the State of I having its offices and place of business at Charlotte, North Carolina, is desirous of acquiring the entire right, est in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the of America, and in any and all countries foreign thereto:
payment for t said Assignor, representative countries for e countries in it entitled unde Letters Patent in-parts and e confidential ir request the C inventions or interest. I rep without furth nominees, an provisional, d proceedings,	ORE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, including salary or the making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal es, the full and exclusive right, title and interest for the territory of the United States of America and all ign thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign sown name and to claim any priority rights for such foreign applications to which such applications are international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and granted therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuations, tensions thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, information, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and deministration of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and resent and warrant that I have full right to agree to, execute, and deliver this assignment. I agree that I will reconsideration, but at the expense of Assignee, communicate to said Assignee, or its successors, assigns, or and all facts known to me regarding said inventions whenever requested, and that I will execute all nonvisional, reissue, reexamination, continuation and continuation-in-part applications, testify in any legal sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its signs, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.

WARNING:

purposes are not retained in the application me and therefore a	re not publicly available.
LEGAL NAME OF INVENTOR	
Inventor: <u>Marisa Kamer</u>	Date:09/05/2019
Signature: / Marisa Kamer	

Title of Invention	Cyber Resilience Chaos Stress Testing	
As the below	named inventor, I hereby declare that:	
This declaration is directed to:	A The attached application, or	
	United States application or PCT international application number filed on	
The above-ide	entified 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 application.	
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or tof not more than five (5) years, or both.	
	ASSIGNMENT	
WHEREAS, I, Sanjay Lohar ("Assignor"), a citizen of United States (Country), residing in Charlotte, NC (City, State/Province) have invented the above invention. If the following lines are blank, the above application was filed on even date herewith, otherwise, to comply with 37 C.F.R. §3.21 for recordal of this assignment, I, an assignor below, hereby authorize the attorneys for Bank of America to insert the filing date and application number below after they become known and prior to filing the recordation.		
	U.S. Application No	
WHEREAS, BANK OF AMERICA CORPORATION ("Assignee"), a Corporation duly organized under the laws of the State of Delaware, and having its offices and place of business at Charlotte, North Carolina, is desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto:		
payment for t said Assignor, representativ countries fore countries in it entitled unde Letters Paten in-parts and e confidential in request the C inventions or interest. I rep without furth nominees, an provisional, d proceedings,	FORE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, including salary or the making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal es, the full and exclusive right, title and interest for the territory of the United States of America and all eigh thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign is own name and to claim any priority rights for such foreign applications to which such applications are referentiational conventions, treaties, or otherwise), in and to said inventions and in and to all applications and to granted therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuations, extensions thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, information, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and dominissioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and resent and warrant that I have full right to agree to, execute, and deliver this assignment. I agree that I will er consideration, but at the expense of Assignee, communicate to said Assignee, or its successors, assigns, or y and all facts known to me regarding said inventions whenever requested, and that I will execute all non-ivisional, reissue, reexamination, continuation and continuation-in-part applications, testify in any legal sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its signs, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.	

WARNING:

purposes are not retained in the application life and therefore a	re not public	iy avallable.	
LEGAL NAME OF INVENTOR			
Inventor: Sanjay Lohar	Date:	9/05/2019	
Signature: / Sanjay Arjun Lohar			<u>/</u>

9316 US1

Title of Invention	Cyber Resilience Chaos Stress Testing	
As the below i	named inventor, I hereby declare that:	
This declaration is directed to:	$^{ m M}$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$	
	United States application or PCT international application number	
The above-ide	ntified 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 application.	
I hereby ackno imprisonment	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or of not more than five (S) years, or both.	
	ASSIGNMENT	
State/Province date herewith authorize the	Margaret M. Brewer ("Assignor"), a citizen of (Country), residing in Now lower Notice (City, e) have invented the above invention. If the following lines are blank, the above application was filed on even, otherwise, to comply with 37 C.F.R. §3.21 for recordal of this assignment, I, an assignor below, hereby attorneys for Bank of America to insert the filing date and application number below after they become or to filing the recordation.	
	U.S. Application No. 16/576,988 filed 09-20-2019	
WHEREAS, BANK OF AMERICA CORPORATION ("Assignee"), a Corporation duly organized under the laws of the State of Delaware, and having its offices and place of business at Charlotte, North Carolina, is desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto:		
payment for the said Assignor, I representative countries foreit countries in its entitled under Letters Patent in-parts and exconfidential infrequest the Coinventions or rinterest. I representation of the cominees, any provisional, disproceedings, si	ORE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, including salary or the making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal is, the full and exclusive right, title and interest for the territory of the United States of America and all gen thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign own name and to claim any priority rights for such foreign applications to which such applications are international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and granted therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuations, continuation-tensions thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, formation, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and minissioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said esuiting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and esent and warrant that I have full right to agree to, execute, and deliver this assignment. I agree that I will r consideration, but at the expense of Assignee, communicate to said Assignee, or its successors, assigns, or and all facts known to me regarding said inventions whenever requested, and that I will execute all non-isional, reissue, reexamination, continuation and continuation-in-part applications, testify in any legal gn all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its igns, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.	

WARNING:

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LEGAL NAME OF INVENTOR	
	gión,
Inventor: <u>Margaret M. Brewer</u>	Date:
Signature: <u>Mayarty</u>	
piene territorial transfer to the territorial	

9316 US1

Title of Invention	Cyber Resilience Chaos Stress Testing			
As the below nam	ned inventor, I hereby declare that:			
This declaration is directed to:	V 1116 estatuted abbucations of			
4	United States application or PCT international application number			
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 application.				
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.				
ASSIGNMENT				
WHEREAS, I, Anna E. Ganse ("Assignor"), a citizen of USA (Country), residing in Chicago, IL (City, State/Province) have invented the above invention. If the following lines are blank, the above application was filed on even date herewith, otherwise, to comply with 37 C.F.R. §3.21 for recordal of this assignment, I, an assignor below, hereby authorize the attorneys for Bank of America to insert the filing date and application number below after they become known and prior to filing the recordation.				
	U.S. Application No. $16/576,988$ filed $09-20-2019$			
WHEREAS, BANK OF AMERICA CORPORATION ("Assignee"), a Corporation duly organized under the laws of the State of Delaware, and having its offices and place of business at Charlotte, North Carolina, is desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto:				
payment for the said Assignor, by representatives, to countries foreign countries in its or entitled under intetters Patent grain-parts and exte confidential infor request the Cominventions or resinterest. I represe without further comminees, any ar provisional, divisiproceedings, sign	TE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, including salary or making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal the full and exclusive right, title and interest for the territory of the United States of America and all thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign wn name and to claim any priority rights for such foreign applications to which such applications are ternational conventions, treaties, or otherwise), in and to said inventions and in and to all applications and anted therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuations, continuations, since thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, remation, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and missioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said ulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and ent and warrant that I have full right to agree to, execute, and deliver this assignment. I agree that I will consideration, but at the expense of Assignee, communicate to said Assignee, or its successors, assigns, or and all facts known to me regarding said inventions whenever requested, and that I will execute all non-ional, reissue, reexamination, continuation and continuation-in-part applications, testify in any legal in all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its instantion protection for said inventions in all countries.			

9316 US1

WARNING:

LEGAL NAME OF INVENTOR			
Inventor: <u>Anna E. Ganse</u>	5:	Date:	9/19/2019
Signature:	Newsonia and		109/19/2019