508092010 08/29/2023

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT8139166

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YINGCAI PENG	08/11/2023
MANEESH KUMAR SETHIA	08/11/2023
ABHIJIT BEHERA	08/12/2023
SIVASHALINI S	08/14/2023
SANDEEP REDDY KOTHAPETA	08/14/2023

RECEIVING PARTY DATA

Name:	BANK OF AMERICA CORPORATION
Street Address:	MAILCODE: NC1-028-29-04
Internal Address:	150 N. COLLEGE STREET
City:	CHARLOTTE
State/Country:	NORTH CAROLINA
Postal Code:	28255

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	18239291

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: (312) 463-5000

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

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

Address Line 2: **SUITE 3600**

Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER:	007131.03037
NAME OF SUBMITTER:	STEPHANIE BODAMER
SIGNATURE:	/Stephanie Bodamer/
DATE SIGNED:	08/29/2023

PATENT REEL: 064736 FRAME: 0549 508092010

Total Attachments: 10 source=P14743US01 Combined Declaration and Assignment#page1.tif source=P14743US01 Combined Declaration and Assignment#page2.tif source=P14743US01 Combined Declaration and Assignment#page3.tif source=P14743US01 Combined Declaration and Assignment#page4.tif source=P14743US01 Combined Declaration and Assignment#page5.tif source=P14743US01 Combined Declaration and Assignment#page6.tif source=P14743US01 Combined Declaration and Assignment#page7.tif source=P14743US01 Combined Declaration and Assignment#page8.tif source=P14743US01 Combined Declaration and Assignment#page9.tif source=P14743US01 Combined Declaration and Assignment#page9.tif

PATENT REEL: 064736 FRAME: 0550

COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	Microelectromechanical System Sensors for ATM Information Security
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 numberfiled 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
the inventional below. (If the and I hereby a	Sivashalini S (Name), a citizen of India (Country), residing in Chennai, India (City, State/Province) have invented (s) described in the patent application identified above and having the application number and filing date listed following lines are blank, the application identified above was filed contemporaneously with this Assignment, authorize Assignee (identified below) and/or its representatives to insert the application number and filing ter they become known.)
	U.S. Application No, filed
Delaware, and	NK OF AMERICA CORPORATION ("Assignee"), a corporation duly organized under the laws of the State of d having its offices and principal place of business at Charlotte, North Carolina, desires to acquire the entire d interest in and to the above-identified invention(s) and all patent applications, utility models, and patents
the receipt an transfer to the regarding the title, and intel divisional, cor in the world, i	FORE, for good and valuable consideration (including salary, employee benefits, and/or other compensation), indiction of which is hereby acknowledged, I do hereby assign and transfer (or confirm the assignment and a extent already effected by operation or law, contract, and/or the fulfillment of any and all legal requirements transfer of employee inventions in my country of employment) unto Assignee, the full and exclusive right, rest in and to said invention(s) and all patent applications, utility models, and patents therefor (including all intinuation, continuation-in-part, and reissue applications and patents claiming priority thereto) in any country including all rights and remedies associated therewith including the right to sue for and recover past damages in under 35 U.S.C. §154(d) or any other law permitting remedies for infringement prior to the issuance of a
jurisdiction, to	orize and request the Commissioner for Patents, and any other official whose duty it is to issue patents in any o issue patents on said invention(s) or resulting therefrom to Assignee, or its successors and assigns, as e entire right, title and interest in said patents.
I represent an	d warrant that I have full right to agree to, execute, and deliver this assignment.
assigns, or no all non-provis	will, without further consideration but at the expense of Assignee, communicate to Assignee, or its successors, minees, any and all facts known to me regarding said inventions whenever requested, and that I will execute ional, divisional, reissue, reexamination, continuation and continuation-in-part applications, testify in any legal sign all lawful papers, make all rightful oaths, and do anything else necessary or reasonably desirable for

Assignee, its successors, assigns, and/or nominees, to obtain and enforce proper patent protection for said invention(s) in all countries.

Should any provision of this Assignment be deemed invalid or unenforceable by reason of any law, statute, regulation, or judgment, existing now or in the future in any jurisdiction, such provision shall be modified in such jurisdiction so as to nearly approximate the intent of the parties. If this cannot be done, such invalid or unenforceable provision shall be divisible and be deleted in any such jurisdiction, and all other provisions shall remain in full force and effect. The modification or deletion of any provision in one jurisdiction shall have no effect on this Assignment in any other jurisdiction.

WARNING:

LEGAL NAME OF INVENTOR		
Inventor: Sivashalini S	8/14/2023 Date:	
Signature: /		

COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	Microelectromechanical System Sensors for ATM Information Security
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This declaration is directed to:	The attached application, or
	United States application or PCT international application number
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 to fine than five (5) years, or both.
	ASSIGNMENT
invented the idate listed be Assignment, a	Abhijit Behera (Name), a citizen of India (Country), residing in Hyderabad, India (City, State/Province) have invention(s) described in the patent application identified above and having the application number and filing low. (If the following lines are blank, the application identified above was filed contemporaneously with this and I hereby authorize Assignee (identified below) and/or its representatives to insert the application number be below after they become known.)
	U.S. Application No, filed
Delaware, and	NK OF AMERICA CORPORATION ("Assignee"), a corporation duly organized under the laws of the State of d having its offices and principal place of business at Charlotte, North Carolina, desires to acquire the entire d interest in and to the above-identified invention(s) and all patent applications, utility models, and patents
the receipt an transfer to the regarding the title, and inte divisional, cor in the world, i	FORE, for good and valuable consideration (including salary, employee benefits, and/or other compensation), and sufficiency of which is hereby acknowledged, I do hereby assign and transfer (or confirm the assignment and be extent already effected by operation or law, contract, and/or the fulfillment of any and all legal requirements transfer of employee inventions in my country of employment) unto Assignee, the full and exclusive right, rest in and to said invention(s) and all patent applications, utility models, and patents therefor (including all ntinuation, continuation-in-part, and reissue applications and patents claiming priority thereto) in any country including all rights and remedies associated therewith including the right to sue for and recover past damages or under 35 U.S.C. §154(d) or any other law permitting remedies for infringement prior to the issuance of a
jurisdiction, to	orize and request the Commissioner for Patents, and any other official whose duty it is to issue patents in any o issue patents on said invention(s) or resulting therefrom to Assignee, or its successors and assigns, as e entire right, title and interest in said patents.
I represent ar	d 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 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 do anything else necessary or reasonably desirable for	

Assignee, its successors, assigns, and/or nominees, to obtain and enforce proper patent protection for said invention(s) in all countries.

Should any provision of this Assignment be deemed invalid or unenforceable by reason of any law, statute, regulation, or judgment, existing now or in the future in any jurisdiction, such provision shall be modified in such jurisdiction so as to nearly approximate the intent of the parties. If this cannot be done, such invalid or unenforceable provision shall be divisible and be deleted in any such jurisdiction, and all other provisions shall remain in full force and effect. The modification or deletion of any provision in one jurisdiction shall have no effect on this Assignment in any other jurisdiction.

WARNING:

LEGAL NAME OF INVENTOR		
Inventor: Abhijit Behera	8/12/2023 Date:	
Signature: / Abligit Believa	/	
9343AB1E066D48A		

COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	Microelectromechanical System Sensors for ATM Information Security
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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	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 to fine or to fine the contract of not more than five (5) years, or both.
	ASSIGNMENT
State/Provinc application nu contemporan	Sandeep Reddy Kothapeta (Name), a citizen of India (Country), residing in Hyderabad, India (City, e) have invented the invention(s) described in the patent application identified above and having the amber and filing date listed below. (If the following lines are blank, the application identified above was filed eously with this Assignment, and I hereby authorize Assignee (identified below) and/or its representatives to dication number and filing date below after they become known.)
	U.S. Application No, filed
Delaware, and	NK OF AMERICA CORPORATION ("Assignee"), a corporation duly organized under the laws of the State of d having its offices and principal place of business at Charlotte, North Carolina, desires to acquire the entire d interest in and to the above-identified invention(s) and all patent applications, utility models, and patents
the receipt an transfer to the regarding the title, and inte divisional, cor in the world, i	FORE, for good and valuable consideration (including salary, employee benefits, and/or other compensation), indicated sufficiency of which is hereby acknowledged, I do hereby assign and transfer (or confirm the assignment and extent already effected by operation or law, contract, and/or the fulfillment of any and all legal requirements transfer of employee inventions in my country of employment) unto Assignee, the full and exclusive right, rest in and to said invention(s) and all patent applications, utility models, and patents therefor (including all intinuation, continuation-in-part, and reissue applications and patents claiming priority thereto) in any country including all rights and remedies associated therewith including the right to sue for and recover past damages in under 35 U.S.C. §154(d) or any other law permitting remedies for infringement prior to the issuance of a
jurisdiction, to	orize and request the Commissioner for Patents, and any other official whose duty it is to issue patents in any o issue patents on said invention(s) or resulting therefrom to Assignee, or its successors and assigns, as e entire right, title and interest in said patents.
I represent ar	d warrant that I have full right to agree to, execute, and deliver this assignment.
assigns, or no all non-provis	will, without further consideration but at the expense of Assignee, communicate to Assignee, or its successors, minees, any and all facts known to me regarding said inventions whenever requested, and that I will execute ional, divisional, reissue, reexamination, continuation and continuation-in-part applications, testify in any legal sign all lawful papers, make all rightful oaths, and do anything else necessary or reasonably desirable for

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WARNING:

LEGAL NAME OF INVENTOR		
Inventor: Sandeep Reddy Kothapeta	8/14/2023 Date:	_
Signature: _/	/	

COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	Microelectromechanical System Sensors for ATM Information Security
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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 to fine or to fine the control of the contro
	ASSIGNMENT
State/Provinc application nu contemporan	<u>Yingcai Peng</u> (Name), a citizen of <u>United States</u> (Country), residing in <u>Charlotte, North Carolina</u> (City, e) have invented the invention(s) described in the patent application identified above and having the umber and filing date listed below. (If the following lines are blank, the application identified above was filed eously with this Assignment, and I hereby authorize Assignee (identified below) and/or its representatives to dication number and filing date below after they become known.)
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Delaware, and	NK OF AMERICA CORPORATION ("Assignee"), a corporation duly organized under the laws of the State of d having its offices and principal place of business at Charlotte, North Carolina, desires to acquire the entire d interest in and to the above-identified invention(s) and all patent applications, utility models, and patents
the receipt an transfer to the regarding the title, and inte divisional, cor in the world, i	FORE, for good and valuable consideration (including salary, employee benefits, and/or other compensation), and sufficiency of which is hereby acknowledged, I do hereby assign and transfer (or confirm the assignment and extent already effected by operation or law, contract, and/or the fulfillment of any and all legal requirements transfer of employee inventions in my country of employment) unto Assignee, the full and exclusive right, rest in and to said invention(s) and all patent applications, utility models, and patents therefor (including all attinuation, continuation-in-part, and reissue applications and patents claiming priority thereto) in any country including all rights and remedies associated therewith including the right to sue for and recover past damages in under 35 U.S.C. §154(d) or any other law permitting remedies for infringement prior to the issuance of a
jurisdiction, to	orize and request the Commissioner for Patents, and any other official whose duty it is to issue patents in any o issue patents on said invention(s) or resulting therefrom to Assignee, or its successors and assigns, as e entire right, title and interest in said patents.
I represent ar	d warrant that I have full right to agree to, execute, and deliver this assignment.
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WARNING:

LEGAL NAME OF INVENTOR		
Inventor: Yingcai Peng	8/11/2023 Date:	_
Signature: / Uingui Pung 41C31CDAAE3048C	/	

COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

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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		
have invented filing date liste this Assignme	Maneesh Kumar Sethia (Name), a citizen of India (Country), residing in Hyderabad, India (City, State/Province) I the invention(s) described in the patent application identified above and having the application number and ed below. (If the following lines are blank, the application identified above was filed contemporaneously with nt, and I hereby authorize Assignee (identified below) and/or its representatives to insert the application illing date below after they become known.)		
	U.S. Application No, filed		
WHEREAS, BANK OF AMERICA CORPORATION ("Assignee"), a corporation duly organized under the laws of the State of Delaware, and having its offices and principal place of business at Charlotte, North Carolina, desires to acquire the entire right, title and interest in and to the above-identified invention(s) and all patent applications, utility models, and patents therefor.			
NOW, THEREFORE, for good and valuable consideration (including salary, employee benefits, and/or other compensation), the receipt and sufficiency of which is hereby acknowledged, I do hereby assign and transfer (or confirm the assignment and transfer to the extent already effected by operation or law, contract, and/or the fulfillment of any and all legal requirements regarding the transfer of employee inventions in my country of employment) unto Assignee, the full and exclusive right, title, and interest in and to said invention(s) and all patent applications, utility models, and patents therefor (including all divisional, continuation, continuation-in-part, and reissue applications and patents claiming priority thereto) in any country in the world, including all rights and remedies associated therewith including the right to sue for and recover past damages and to recover under 35 U.S.C. §154(d) or any other law permitting remedies for infringement prior to the issuance of a patent.			
jurisdiction, to	orize and request the Commissioner for Patents, and any other official whose duty it is to issue patents in any o issue patents on said invention(s) or resulting therefrom to Assignee, or its successors and assigns, as e entire right, title and interest in said patents.		
I represent an	d warrant that I have full right to agree to, execute, and deliver this assignment.		
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WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR		
Inventor: Maneesh Kumar Sethia	8/11/2023 Date:	
Signature: / Manush kumar Suthia	/	
F18272D0E369453	<u> </u>	

[Page 2 of 3]

PATENT REEL: 064736 FRAME: 0560