506378634 12/01/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT6425390

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MATTHEW E. CARROLL	08/29/2018
MICHAEL OGRINZ	09/02/2018
NATHAN DENT	09/06/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	17108109	

CORRESPONDENCE DATA

Fax Number: (202)824-3001

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.

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

BANNER & WITCOFF, LTD. **Correspondent Name:**

Address Line 1: 1100 13TH ST. NW

Address Line 2: STE 1200

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	007131.02396\US
NAME OF SUBMITTER:	REILLEY P. KEANE
SIGNATURE:	/Reilley P. Keane/
DATE SIGNED:	12/01/2020

Total Attachments: 6

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PATENT REEL: 054505 FRAME: 0619 506378634

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PATENT REEL: 054505 FRAME: 0620

Firm No.: 007131.02023 PMN: 8533US1

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	Processing System for Providing Enhanced Reality Interfaces at an Automated Teller Machine (ATM) Terminal Platform			
As the below	As the below named inventor, I hereby declare that:			
This declarati	Λ 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 tof not more than five (5) years, or both.			
	ASSIGNMENT			
(City, State/Pi even date her authorize the	Matthew E. Carroll ("Assignor"), a citizen of <u>United States of America</u> (Country), residing in <u>Charlotte, NC</u> rovince) have invented the above invention. If the following lines are blank, the above application was filed on rewith, 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 rior to filing the recordation.			
	U.S. Application No. <u>16123455</u> , filed <u>9-6-18</u> .			
Delaware, and title and inter	NNK OF AMERICA CORPORATION ("Assignee"), a Corporation duly organized under the laws of the State of d 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 the said Assignor, representative countries for ecountries in it entitled under Letters Patentin-parts and econfidential in request the Coinventions or interest. I repwithout furth nominees, an provisional, diproceedings,	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 eign 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 rinternational 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, 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 dommissioner 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.			

Firm No.: 007131.02023 PMN: 8533US1

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.

purposes are not retained in the application file and therefore are not publicly available.			
LEGAL NAME OF INVENTOR			
Inventor: Matthew E. Carroll	Date:	August 29, 2018	
Signature: / Matthew Carroll			

Firm No.: 007131.02023

PMN: 8533US1

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	Processing System for Providing Enhanced Reality Interfaces at an Automated Teller Machine (ATM) Terminal Platform
As the below	named inventor, I hereby declare that:
This declaration is directed to:	on X The attached application, or
	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 (5) years, or both.
	ASSIGNMENT
date herewith, authorize the	<u>flichael Ogrinz</u> ("Assignor"), a citizen of <u>United States of America</u> (Country), residing in <u>Easton, CT</u> (City, 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. <u>16123455</u> , filed <u>9-6-18</u> ,
Delaware, and title and intere	NK OF AMERICA CORPORATION ("Assignee"), a Corporation duly organized under the laws of the State of having its offices and place of business at Charlotte, North Carolina, is desirous of acquiring the entire right, st in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the off America, and in any and all countries foreign thereto:
payment for the said Assignor, kerepresentatives countries foreign countries in its entitled under Letters Patent generated and exiconfidential infrequest the Conventions or resulting the countries. I represent further nominees, any provisional, divisoroceedings, signoceedings, signoceeding	ORE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, including salary or e 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 go 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, continuations, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and maissioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said issulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and sent 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-sional, reissue, reexamination, continuation and continuation-in-part applications, testify in any legal and lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its

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LEGAL NAME OF INVENTOR	are not publicly available.
Inventor: Michael Ogrinz	Date: 9/2/2018
Signature:	

Firm No.: 007131.02023

PMN: 8533US1

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				
As the below	named inventor, I hereby declare that:			
This declaration is directed to:	A THE ALLACHED ADDITION, OF			
	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	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/Province date herewith authorize the	Nathan Dent ("Assignor"), a citizen of <u>United States of America</u> (Country), residing in <u>Concord, NC</u> (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>16123455</u> , filed <u>9-6-18</u>			
Delaware, and title and interest	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 the said Assignor, representative countries for ecountries in its entitled under Letters Patent in-parts and exconfidential in request the Colinventions or rinterest. I represent further nominees, any provisional, disproceedings, s	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 ign 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 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, continuations, 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 immissioner 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 esent and warrant that I have full right to agree to, execute, and deliver this assignment. I agree that I will be 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 nonvisional, reissue, reexamination, continuation and continuation-in-part applications, testify in any legal ign 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.			

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LEGAL NAME OF INVENTOR	**************************************	
Inventor: <u>Nathan Dent</u>	Date:	9/6/18
Signature:		