502130603 11/15/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Prentice O. Dees Jr.	10/01/2012
Thomas H. Davies	10/01/2012
Eric Tykeson	09/26/2012
John Becsi	09/26/2012

RECEIVING PARTY DATA

Name:	Bank of America Corporation
Street Address:	214 North Tryon Street
Internal Address:	MAILCODE: NC1-027-20-05
City:	Charlotte
State/Country:	NORTH CAROLINA
Postal Code:	28255

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13678029

CORRESPONDENCE DATA

Fax Number: 7044095606

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 919-286-8000

Email: suzettesmalls@mvalaw.com

Correspondent Name: MOORE & VAN ALLEN PLLC

Address Line 1: P.O. Box 13706

Address Line 4: Research Triangle Pa, NORTH CAROLINA 27709

ATTORNEY DOCKET NUMBER:	4863US1.014033.1598
NAME OF SUBMITTER:	Nicholas C. Russell
	This document serves as an Oath/Declaration (37 CER 1.63).

502130603 REEL: 029305 FRAME: 0730

OP \$40.00 13678029

Total Attachments: 12 source=014033-001598Assignment#page1.tif source=014033-001598Assignment#page2.tif source=014033-001598Assignment#page3.tif source=014033-001598Assignment#page4.tif source=014033-001598Assignment#page5.tif source=014033-001598Assignment#page6.tif source=014033-001598Assignment#page7.tif source=014033-001598Assignment#page8.tif source=014033-001598Assignment#page9.tif source=014033-001598Assignment#page10.tif source=014033-001598Assignment#page11.tif source=014033-001598Assignment#page12.tif

PATENT REEL: 029305 FRAME: 0731

PMN No.: 4863US1

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	ORCHESTRATION MANAGEMENT OF INFORMATION TECHNOLOGY
As the below	named inventor, I hereby declare that:
This declaration is directed to:	\time 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.
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, <u>Prentice O. Dees</u> ("Assignor"), a citizen of the <u>United States of America</u> , residing in <u>Atlanta, Georgia</u> , 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, filed, filed
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:	
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, 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-	

[Page 1 of 3]

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 everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.

PMN No.: 4863US1

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: Prentice O. Dees

Signature:

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

Use an additional PTO/AIA/01 form for each additional inventor.

Date: 10/1/12

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

- 1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
- 2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
- 3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
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- 6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
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- A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

[Page 3 of 3]

704-378-1997 Patrick Horne

Attorney Docket No.: 014033-1598

PMN No.: 4863US1

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	ORCHESTRATION MANAGEMENT OF INFORMATION TECHNOLOGY
As the below	named inventor, I hereby declare that:
This declaration is directed to:	NA 1110 OCCADAGA Abbusaria à a
	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	l am the original inventor or an original joint inventor of a claimed invention in the application.
I hereby acknowing	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or t of not more than five (5) years, or both.
	ASSIGNMENT
Invented the	Thomas H. Davies ("Assignor"), a citizen of the <u>United States of America</u> , residing in <u>Concord, California</u> , have above invention. If the following lines are blank, the above application was filed on even date herewith, comply with 37 C.F.R. §3.21 for recordal of this assignment, I, an assignor below, hereby authorize the Bank of America to insert the filing date and application number below after they become known and prior to ordation. U.S. Application No
Delaware, and	NK OF AMERICA CORPORATION ("Assignee"), a Corporation duly organized under the laws of the State of displaying its offices and place of business at Charlotte, North Carolina, is desirous of acquiring the entire right, rest 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 said Assignor, representative countries for countries in it entitled under Letters Paten in-parts and confidential irrequest the Cinventions or interest. I requirement for the without furth nominees, are provisional, considered.	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 res, the full and exclusive right, title and interest for the territory of the United States of America and all leign thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign its own name and to claim any priority rights for such foreign applications to which such applications are an international conventions, treatles, or otherwise), in and to said inventions and in and to all applications and it granted therefor, and all non-provisionals, disisionals, 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 commissioner 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 or esculting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and or esculting therefrom to said Assignee, or its successors, assigns, or any and all facts known to me regarding said inventions whenever requested, and that I will execute all non-livisional, 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

[Page 1 of 3]

PMN No.: 4863US1

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purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Thomas A. Davies, Assignor

Date: 10/1/2

Signature: Date: 10/1/2

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

Use an additional PTO/AIA/01 form for each additional inventor.

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Title of Invention	ORCHESTRATION MANAGEMENT OF INFORMATION TECHNOLOGY
As the below	named inventor, I hereby declare that:
This declaration is directed to:	IAT 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	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
WHEREAS, I, <u>Eric Tykeson</u> ("Assignor"), a citizen of the <u>United States of America</u> , residing in <u>Agoura Hills, California</u> , 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, filed November 15, 2012
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:	
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LEGAL NAME OF INVENTOR

Inventor: Eric Tykeson, Assignor

Date:

Signature:

Note: An application data sheet (PTO/BB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional PTO/AIA/01 form for each additional inventor.

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As the below	named inventor, I hereby declare that:
This declarati	
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The above-id	entified application was made or authorized to be made by me.
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I hereby ack	nowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or at of not more than five (5) years, or both.
	ASSIGNMENT
the above in	John Becsi ("Assignor"), a citizen of the <u>United States of America</u> , residing in <u>Atlanta, Georgia</u> , have invented vention. If the following lines are blank, the above application was filed on even date herewith, otherwise, to 37 C.F.R. §3.21 for recordal of this assignment, I, an assignor below, hereby authorize the attorneys for Bank of a sert the filing date and application number below after they become known and prior to filing the recordation.
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Delaware, at	ANK OF AMERICA CORPORATION ("Assignee"), a Corporation duly organized under the laws of the State of and having its offices and place of business at Charlotte, North Carolina, is desirous of acquiring the entire right, wrest in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the s of America, and in any and all countries foreign thereto:
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LEGAL NAME OF INVENTOR

Inventor: John Becsi, Assignor

Date: September 26, 2012

Signature:

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

Use an additional PTO/AIA/01 form for each additional inventor.

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