

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3501678

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the APPLICATION NUMBER previously recorded on Reel 017509 Frame 0623. Assignor(s) hereby confirms the CORRECT APPLICATION NUMBER IS U.S. APPLICATION NO. 11/283,981 FILED NOVEMBER 21, 2005.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MICHAEL ZIMBERG	12/27/2005
PATRICK J. BRENNAN	12/13/2005
JOSEPH JAY BEYDA	12/13/2005
ANDREI TOKAR	12/13/2005
PETER HAINES	03/13/2006
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BANK OF AMERICA CORPORATION
<b>Street Address:</b>	214 NORTH TRYON STREET
<b>Internal Address:</b>	MAILCODE: NC1-027-20-05
<b>City:</b>	CHARLOTTE
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	28255
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	11283981
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(919)286-8199
<i>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.</i>	
<b>Phone:</b>	919-286-8000
<b>Email:</b>	maryelizabethzaldivar@mvalaw.com
<b>Correspondent Name:</b>	MOORE & VAN ALLEN PLLC
<b>Address Line 1:</b>	PO BOX 13706
<b>Address Line 4:</b>	RESEARCH TRIANGLE PK, NORTH CAROLINA 27709
<b>ATTORNEY DOCKET NUMBER:</b>	014033-000063NP
<b>NAME OF SUBMITTER:</b>	DENNIS J. WILLIAMSON
<b>SIGNATURE:</b>	/dennis j. williamson/

**DATE SIGNED:**

08/27/2015

**Total Attachments: 14**

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**PATENT**

**REEL: 036500 FRAME: 0304**

## PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

04/21/2006  
500096619

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Michael Zimberg</td><td>12/27/2005</td></tr><tr><td>Patrick J. Brennan</td><td>12/13/2005</td></tr><tr><td>Joseph Jay Beyda</td><td>12/13/2005</td></tr><tr><td>Andrei Tokar</td><td>12/13/2005</td></tr><tr><td>Peter Haines</td><td>03/13/2006</td></tr></tbody></table>	Name	Execution Date	Michael Zimberg	12/27/2005	Patrick J. Brennan	12/13/2005	Joseph Jay Beyda	12/13/2005	Andrei Tokar	12/13/2005	Peter Haines	03/13/2006	
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Andrei Tokar	12/13/2005												
Peter Haines	03/13/2006												
RECEIVING PARTY DATA													
Name:	Bank Of American Corporation												
Street Address:	Charlotte												
City:	Charlotte												
State/Country:	NORTH CAROLINA												
Postal Code:	28255												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11283891</td></tr></tbody></table>	Property Type	Number	Application Number:	11283891									
Property Type	Number												
Application Number:	11283891												
CORRESPONDENCE DATA													
Fax Number:	(919)416-8340												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	(919) 286-8000												
Email:	eflandk@mvalaw.com												
Correspondent Name:	Dennis J. Williamson												
Address Line 1:	430 Davis Drive												
Address Line 2:	Suite 500												
Address Line 4:	Morrisville, NORTH CAROLINA 27560												
ATTORNEY DOCKET NUMBER:	014033-000063NP												
NAME OF SUBMITTER:	Dennis J. Williamson												

OP \$40.00 11283891

Total Attachments: 10

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## ASSIGNMENT

WHEREAS, I, Michael Zimberg, ("Assignor"), a citizen of US, residing at 240 Central Park South #6J, New York, New York 10019, have invented certain new and useful inventions entitled "SYSTEM AND METHOD FOR TASK MANAGEMENT OF RULE GOVERNED TASKS". 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 my attorney to insert the filing date and application number below after they become known and prior to filing the recordation. U.S. Application No. 11/283,981 filed November 21, 2005.

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 divisions, reissues, continuations 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 divisional, reissue and continuation 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.


IN WITNESS WHEREOF, I have hereunto set my hand and seal this  
27 day of Dec, 2005.



Michael Zimberg, Assignor

STATE OF New York :  
COUNTY OF New York : SS

On this 27 day of December, 2005, before me personally appeared Michael Zimberg to me known to be the person whose name is subscribed in the foregoing instrument, and who acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

  
Notary Public

(SEAL)  
My Commission Expires:

April 30, 2006

Marsha Grier  
Notary Public, State of New York  
No. 01GR6000642  
Qualified in New York County  
Commission Expires April 30, 2006

## ASSIGNMENT


WHEREAS, I, Patrick J. Brennan, ("Assignor"), a citizen of US, residing at 1 Astor Place, Apt. 4F, New York, New York 10003, have invented certain new and useful inventions entitled "SYSTEM AND METHOD FOR TASK MANAGEMENT OF RULE GOVERNED TASKS". 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 my attorney to insert the filing date and application number below after they become known and prior to filing the recordation. U.S. Application No. 11/283,981 filed November 21, 2005.

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 divisions, reissues, continuations 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 divisional, reissue and continuation 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.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this  
13 day of December, 2005.

  
\_\_\_\_\_  
Patrick J. Brennan, Assignor

STATE OF New York :  
COUNTY OF New York : SS

On this 13 day of December, 2005, before me personally appeared Patrick J. Brennan to me known to be the person whose name is subscribed in the foregoing instrument, and who acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

  
\_\_\_\_\_  
Notary Public

(SEAL)  
My Commission Expires:

\_\_\_\_\_  
STACIE REGMAN  
Notary Public, State of New York  
No. 0196072461  
Qualified in Catoons County  
Commission Expires 2/3/2007



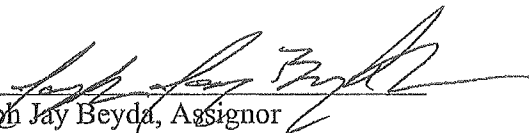
## ASSIGNMENT

WHEREAS, I, Joseph Jay Beyda, ("Assignor"), a citizen of US, residing at 6 Meadow Lane, Marlboro, New Jersey 07746, have invented certain new and useful inventions entitled "SYSTEM AND METHOD FOR TASK MANAGEMENT OF RULE GOVERNED TASKS". 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 my attorney to insert the filing date and application number below after they become known and prior to filing the recordation. U.S. Application No. 11/283,981 filed November 21, 2005.

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:

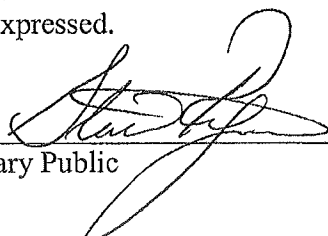
NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer unto 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 divisions, reissues, continuations 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 divisional, reissue and continuation 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.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 13 day  
of December, 2005.

  
Joseph Jay Beyda, Assignor

STATE OF New York :  
COUNTY OF New York : SS  
:

On this 13 day of December, 2005, before me personally appeared  
Joseph Jay Beyda to me known to be the person whose name is subscribed in the  
foregoing instrument, and who acknowledged that he executed said instrument as his free  
and voluntary act and for the uses and purposes therein expressed.

  
Notary Public

(SEAL)  
My Commission Expires:

STACIE HEGMAN  
Notary Public, State of New York  
No. 0168072481  
Qualified in Queens County  
Commission Expires 2/3/ 2007

## ASSIGNMENT

WHEREAS, I, Andrei Tokar, ("Assignor"), a citizen of Ukraine, residing at 0-61 Plaza Road, Fairlawn, New Jersey 07410, have invented certain new and useful inventions entitled "SYSTEM AND METHOD FOR TASK MANAGEMENT OF RULE GOVERNED TASKS". 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 my attorney to insert the filing date and application number below after they become known and prior to filing the recordation. U.S. Application No. 11/283,981 filed November 21, 2005.

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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 divisions, reissues, continuations 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 divisional, reissue and continuation 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.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this  
13 day of December, 2005.

Andrei Tokar  
Andrei Tokar, Assignor

STATE OF New York :  
COUNTY OF New York : SS

On this 13 day of December, 2005, before me personally appeared Andrei Tokar to me known to be the person whose name is subscribed in the foregoing instrument, and who acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

Stacie Reisman  
Notary Public

(SEAL)  
My Commission Expires:

STACIE REISMAN  
Notary Public, State of New York  
No. 01688072481  
Qualified in Cuyahoga County  
Commission Expires 2/3/ 2007

## ASSIGNMENT

WHEREAS, I, Peter Haines, ("Assignor"), a citizen of United Kingdom, residing at Hazel Dene, The Meadows, Cotton, Stowmarket, Suffolk, IP14 4NZ United Kingdom, have invented certain new and useful inventions entitled "SYSTEM AND METHOD FOR TASK MANAGEMENT OF RULE GOVERNED TASKS". 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 my attorney to insert the filing date and application number below after they become known and prior to filing the recordation. U.S. Application No. 11/283,981 filed November 21, 2005.

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

IN WITNESS WHEREOF, I have hereunto set my hand and seal this  
13TH day of MARCH, 2006.

X Peter Haines  
Peter Haines, Assignor

STATE OF \_\_\_\_\_ :  
COUNTY OF \_\_\_\_\_ : SS

On this \_\_\_\_\_ day of \_\_\_\_\_, 2006, before me personally appeared Peter Haines to me known to be the person whose name is subscribed in the foregoing instrument, and who acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

(SEAL)  
My Commission Expires:

\_\_\_\_\_  
Notary Public