

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Naveen G. Yeri</td> <td>05/20/2012</td> </tr> <tr> <td>Bibhudatta Jena</td> <td>05/22/2012</td> </tr> <tr> <td>Arya Kumar Vedabrata</td> <td>05/21/2012</td> </tr> <tr> <td>Chandrashekar Katari</td> <td>05/20/2012</td> </tr> <tr> <td>Timothy J. Bendel</td> <td>05/22/2012</td> </tr> <tr> <td>David Joa</td> <td>05/21/2012</td> </tr> <tr> <td>Vikas Mishra</td> <td>05/23/2012</td> </tr> <tr> <td>Thayer S. Allison Jr.</td> <td>05/18/2012</td> </tr> <tr> <td>Deepak Verma</td> <td>05/22/2012</td> </tr> <tr> <td>Yanghong Shao</td> <td>05/21/2012</td> </tr> <tr> <td>Parul Bajaj</td> <td>05/22/2012</td> </tr> </tbody> </table>		Name	Execution Date	Naveen G. Yeri	05/20/2012	Bibhudatta Jena	05/22/2012	Arya Kumar Vedabrata	05/21/2012	Chandrashekar Katari	05/20/2012	Timothy J. Bendel	05/22/2012	David Joa	05/21/2012	Vikas Mishra	05/23/2012	Thayer S. Allison Jr.	05/18/2012	Deepak Verma	05/22/2012	Yanghong Shao	05/21/2012	Parul Bajaj	05/22/2012
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<table border="1"> <tr> <td>Name:</td> <td>Bank of America Corporation</td> </tr> <tr> <td>Street Address:</td> <td>214 North Tryon Street</td> </tr> <tr> <td>Internal Address:</td> <td>Mailcode: NC1-027-20-05</td> </tr> <tr> <td>City:</td> <td>Charlotte</td> </tr> <tr> <td>State/Country:</td> <td>NORTH CAROLINA</td> </tr> <tr> <td>Postal Code:</td> <td>28255</td> </tr> </table>		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												
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Application Number:	13486593																								
CORRESPONDENCE DATA																									
Fax Number:	(919)286-8199																								
Email:	kristinrobinett@mvalaw.com																								
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.																									

OP \$40.00 13486593

Correspondent Name:	Moore & Van Allen PLLC
Address Line 1:	430 Davis Drive
Address Line 2:	Suite 500
Address Line 4:	Morrisville, NORTH CAROLINA 27560

ATTORNEY DOCKET NUMBER:	5192US8.014033.1622
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NAME OF SUBMITTER:	Esther F. Queen
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<p>Total Attachments: 11 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif source=Assignment#page7.tif source=Assignment#page8.tif source=Assignment#page9.tif source=Assignment#page10.tif source=Assignment#page11.tif</p>
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ASSIGNMENT

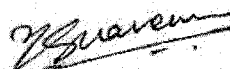
WHEREAS, I, NAVEEN G. YERI ("Assignor"), a citizen of India, residing in Charlotte, North Carolina, have invented certain new and useful inventions entitled "TRIGGER DATA QUALITY MONITOR". If the following lines are blank, the above application was filed on even date herewith, otherwise, to comply with 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. 13/486,593filed June 1, 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:

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, 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 non-provisional, 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 20th day of May, 2012.

NAVEEN G. YERI, Assignor

ASSIGNMENT

WHEREAS, I, BIBHUDATTA JENA ("Assignor"), a citizen of India, residing in Hyderabad, Andhra Pradesh, India, have invented certain new and useful inventions entitled "TRIGGER DATA QUALITY MONITOR". 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.

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IN WITNESS WHEREOF, I have hereunto set my hand and seal this 22nd day of May, 2012

Bibhudatta Jena
BIBHUDATTA JENA, Assignor

Bibhudatta Jena

22nd May 2012 PATENT

REEL: 028306 FRAME: 0144

ASSIGNMENT

WHEREAS, I, **ARYA KUMAR VEDABRATA** ("Assignor"), a citizen of India, residing in Hyderabad, Andhra Pradesh, India, have invented certain new and useful inventions entitled "**TRIGGER DATA QUALITY MONITOR**". 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. 13/486,593 filed June 1, 2012

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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 non-provisionals, 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 non-provisional, 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 21 day of May, 2012.

Arya Kumar Vedabrata
ARYA KUMAR VEDABRATA, Assignor

Arya Kumar Vedabrata 21-May-2012

ASSIGNMENT

WHEREAS, I, CHANDRASHEKAR KATURI ("Assignor"), a citizen of the United States of America, residing in Hyderabad, Andhra Pradesh, India, have invented certain new and useful inventions entitled "TRIGGER DATA QUALITY MONITOR". 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. 13/486,593 filed June 1, 2012

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IN WITNESS WHEREOF, I have hereunto set my hand and seal this 20th day of May, 2012.


CHANDRASHEKAR KATURI, Assignor

ASSIGNMENT

WHEREAS, I, **TIMOTHY J. BENDEL** ("Assignor"), a citizen of the **United States of America**, residing in **Charlotte, North Carolina**, have invented certain new and useful inventions entitled "**TRIGGER DATA QUALITY MONITOR**". 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. 13/486,593 filed June 1, 2012

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IN WITNESS WHEREOF, I have hereunto set my hand and seal this 22nd day of May, 2012.



TIMOTHY J. BENDEL, Assignor

ASSIGNMENT

WHEREAS, I, **DAVID JOA** ("Assignor"), a citizen of the United States of America, residing in **San Bruno, California**, have invented certain new and useful inventions entitled "**TRIGGER DATA QUALITY MONITOR**". 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. 13/486,593 filed June 1, 2012

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IN WITNESS WHEREOF, I have hereunto set my hand and seal this 21 day of July, 2012.



DAVID JOA, Assignor

ASSIGNMENT

WHEREAS, I, VIKAS MISHRA ("Assignor"), a citizen of India, residing in Pune, Maharashtra, India, have invented certain new and useful inventions entitled "TRIGGER DATA QUALITY MONITOR". 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. 13/486,593 filed June 1, 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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IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of _____, 2012.

V. C. Mishra
05/23/2012

VIKAS MISHRA, Assignor

5192US8.014033.1622

ASSIGNMENT


WHEREAS, I, THAYER S. ALLISON, JR. ("Assignor"), a citizen of the United States of America, residing in Charlotte, North Carolina, have invented certain new and useful inventions entitled "TRIGGER DATA QUALITY MONITOR". 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.

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IN WITNESS WHEREOF, I have hereunto set my hand and seal this 18th day of May, 2012.


THAYER S. ALLISON, JR., Assignor

ASSIGNMENT

WHEREAS, I, **DEEPAK VERMA** ("Assignor"), a citizen of the United States of America, residing in Middletown, Delaware, have invented certain new and useful inventions entitled "**TRIGGER DATA QUALITY MONITOR**". 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. 13/486,593

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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, 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 non-provisional, 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 22nd day of MAY, 2012.

Deepak Verma
DEEPAK VERMA, Assignor

ASSIGNMENT

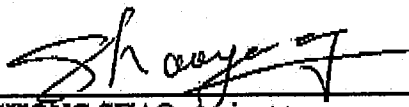
WHEREAS, I, YANGHONG SHAO ("Assignor"), a citizen of the People's Republic of China, residing in Charlotte, North Carolina, have invented certain new and useful inventions entitled "TRIGGER DATA QUALITY MONITOR". If the following lines are blank, the above application was filed on even date herewith, 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. 13/486,593 filed June 1, 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:

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, 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 non-provisional, 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 21st day of May, 2012.


 YANGHONG SHAO, Assignor

ASSIGNMENT

WHEREAS, I, **PARUL BAJAJ** ("Assignor"), a citizen of India, residing in Hyderabad, Andhra Pradesh, India, have invented certain new and useful inventions entitled "**TRIGGER DATA QUALITY MONITOR**". 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. 13/486,593 filed June 1, 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:

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, 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 non-provisional, 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 22nd day of May, 2012.



PARUL BAJAJ, Assignor

PATENT