

## PATENT ASSIGNMENT

Electronic Version v1.1  
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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>Bradford T. Spiers</td> <td>03/15/2012</td> </tr> <tr> <td>Miroslav Halas</td> <td>03/15/2012</td> </tr> <tr> <td>Richard A. Schimmel</td> <td>03/15/2012</td> </tr> <tr> <td>Donald P. Provencher</td> <td>03/15/2012</td> </tr> </tbody> </table>		Name	Execution Date	Bradford T. Spiers	03/15/2012	Miroslav Halas	03/15/2012	Richard A. Schimmel	03/15/2012	Donald P. Provencher	03/15/2012		
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Bank of America Corporation</td> </tr> <tr> <td>Street Address:</td> <td>214 N. 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 N. Tryon Street	Internal Address:	Mailcode: NC1-027-20-05	City:	Charlotte	State/Country:	NORTH CAROLINA	Postal Code:	28255
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
<p>Fax Number: (312)463-5001</p> <p>Phone: 312-463-5000</p> <p>Email: kkessling@bannerwitcoff.com, bwptopat@bannerwitcoff.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Aseet Patel c/o Banner &amp; Witcoff, Ltd.</p> <p>Address Line 1: Ten S. Wacker Drive</p> <p>Address Line 2: Suite 3000</p> <p>Address Line 4: Chicago, ILLINOIS 60606</p>													
ATTORNEY DOCKET NUMBER:	007131.01153												
NAME OF SUBMITTER:	Aseet Patel												

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Total Attachments: 4

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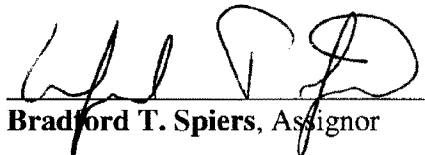
### ASSIGNMENT

WHEREAS, I, **Bradford T. Spiers**, ("Assignor"), a citizen of **USA**, residing in **Bedminster, NJ**, have invented certain new and useful inventions entitled "**Secure Network Cloud Architecture**". 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. 13/422,729 filed 3/16/2012.

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 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, 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.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 15<sup>th</sup> day of March, 2012.

  
\_\_\_\_\_  
**Bradford T. Spiers, Assignor**


## ASSIGNMENT

WHEREAS, I, **Miroslav Halas**, ("Assignor"), a citizen of **USA**, residing in **Charlottesville, VA**, have invented certain new and useful inventions entitled "**Secure Network Cloud Architecture**". 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. 13/422,729 filed 3/16/2012.

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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 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, 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.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 15 day of MARCH, 2012.

  
\_\_\_\_\_  
**Miroslav Halas, Assignor**

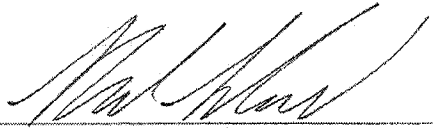
## ASSIGNMENT

WHEREAS, I, **Richard A. Schimmel**, ("Assignor"), a citizen of USA, residing in **Glenmont, NY**, have invented certain new and useful inventions entitled "**Secure Network Cloud Architecture**". 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. 13/422,729 filed 3/16/2012.

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March IN WITNESS WHEREOF, I have hereunto set my hand and seal this 15 day of 2012.

  
Richard A. Schimmel, Assignor

BW Ref.: 007131.01153  
BAC Ref.: PMN 4723 US2

### ASSIGNMENT

WHEREAS, I, **Donald P. Provencher**, ("Assignor"), a citizen of USA, residing in **Clifton Park, NY**, have invented certain new and useful inventions entitled "**Secure Network Cloud Architecture**". 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. 13/422,729 filed 3/16/2012.

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IN WITNESS WHEREOF, I have hereunto set my hand and seal this 15 day of MARCH, 2012.

  
Donald P. Provencher, Assignor