

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>Silvio Tavares</td> <td>04/30/2012</td> </tr> <tr> <td>Susan Fahy</td> <td>03/27/2012</td> </tr> <tr> <td>Dennis Carlson</td> <td>02/27/2012</td> </tr> </tbody> </table>		Name	Execution Date	Silvio Tavares	04/30/2012	Susan Fahy	03/27/2012	Dennis Carlson	02/27/2012
Name	Execution Date								
Silvio Tavares	04/30/2012								
Susan Fahy	03/27/2012								
Dennis Carlson	02/27/2012								
RECEIVING PARTY DATA									
Name:	First Data Corporation								
Street Address:	6200 South Quebec St.								
City:	Greenwood Village								
State/Country:	COLORADO								
Postal Code:	80111								
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>13408482</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13408482				
Property Type	Number								
Application Number:	13408482								
CORRESPONDENCE DATA									
Fax Number:	(415)576-0300								
Phone:	4155760200								
Email:	dgibby@kilpatricktownsend.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	Kilpatrick Townsend & Stockton LLP								
Address Line 1:	Two Embarcadero Center, 8th Floor								
Address Line 4:	San Francisco, CALIFORNIA 94111								
ATTORNEY DOCKET NUMBER:	87188-826866								
NAME OF SUBMITTER:	Darin J. Gibby								
Total Attachments: 3 source=87188-826866-assignment#page1.tif source=87188-826866-assignment#page2.tif source=87188-826866-assignment#page3.tif									

OP \$40.00 13408482

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Silvio Tavares of 5565 Glenridge Connector, N.E., Atlanta, GA 30342; Susan Fahy of 1307 Walt Whitman Rd., Melville, NY 11747; and Dennis Carlson of Glenridge Connector, N.E., Atlanta, GA 30342, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: NETWORK ANALYTICS SYSTEMS AND METHODS

Date(s) of execution of Declaration:

Filing Date: February 29, 2012

Application No.: 13/408,482; and

WHEREAS, First Data Corporation, a corporation of the state of Delaware, located at 6200 South Quebec St., Suite 270, Greenwood Village, CO 80111, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignor, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Kilpatrick Townsend & Stockton LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 4/30/12

Silvio Tavares

Dated:

Susan Fahy

Dated:

Dennis Carlson

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Silvio Tavares of 5565 Glenridge Connector, N.E., Atlanta, GA 30342; Susan Fahy of 1307 Walt Whitman Rd., Melville, NY 11747; and Dennis Carlson of Glenridge Connector, N.E., Atlanta, GA 30342, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: NETWORK ANALYTICS SYSTEMS AND METHODS

Date(s) of execution of Declaration:

Filing Date: February 29, 2012

Application No.: 13/408,482; and

WHEREAS, First Data Corporation, a corporation of the state of Delaware, located at 6200 South Quebec St., Suite 270, Greenwood Village, CO 80111, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignor, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Kilpatrick Townsend & Stockton LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: _____

Silvio Tavares

Dated: 3/27/12

Susan Fahy

Dated: _____

Dennis Carlson

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Silvio Tavares of 5565 Glenridge Connector, N.E., Atlanta, GA 30342; Susan Fahy of 1307 Walt Whitman Rd., Melville, NY 11747; and Dennis Carlson of Glenridge Connector, N.E., Atlanta, GA 30342, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: NETWORK ANALYTICS SYSTEMS AND METHODS

Date(s) of execution of Declaration:

Filing Date:

Application No.: _____; and

WHEREAS, First Data Corporation, a corporation of the state of Delaware, located at 6200 South Quebec St., Suite 270, Greenwood Village, CO 80111, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignor, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Kilpatrick Townsend & Stockton LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

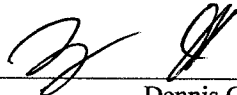
Dated: _____

Silvio Tavares

Dated: _____

Susan Fahy

Dated: 2/27/12



Dennis Carlson