Client Code: 1DATA,101C1

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): (List using letters or numbers for multiple parties) a. Lisa C. Tidwell d. Mark Wallin b. Amy L. Swift e. Lance D. Pate c. Cassandra Mollett f. Charles R. Williams Additional name(s) of conveying party(ies) attached? () Yes (X) No 3. Nature of conveyance: (X) Assignment () Security Agreement () Merger () Change of Name	2. Name and address of receiving party(ies): Name: First Data Corporation 6200 S. Quebec St, Suite 270 B Greenwood Village, CO 80111 Additional name(s) of receiving party(ies) attached? () Yes (X) No
() Other: Execution Date: (List as in section 1 if multiple signatures) a. November 12, 2003 d. November 19, 2003 b. November 10, 2003 e. November 10, 2003 c. November 12, 2003 f. November 13, 2003	4. US or PCT Application number(s) or US Patent number(s): (X) Patent Application No.: 11/925,629 Filing Date: October 26, 2007 Additional numbers attached? () Yes (X) No
 5. Party to whom correspondence concerning document should be mailed: Customer No. 20,995 Address: Knobbe, Martens, Olson & Bear, LLP 2040 Main Street, 14th Floor Irvine, CA 92614 Return Fax: (949) 760-9502 Attorney's Docket No.: 1DATA 101C1 7. Total fee (37 CFR 1.21(h)): \$40 	Total number of applications and patents involved: 1 8. Deposit account number: 11-1410
(X) Authorized to be charged to deposit account 9. Statement and signature.	Please charge this account for any additional fees which may be required, or credit any overpayment to this account.
is a true copy of the original document. John R. King Name of Person Signing 34,362 Registration No.	g information is true and correct, and any attached copy // // // // // // // // // // // // //

Documents transmitted via Facsimile to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services

Director, U.S. Patent and Trademark Office P.O. Box 1450

Alexandria, VA 22313-1450

Facsimile Number: (571) 273-0140

4466788/kl 102607

> PATENT **REEL: 020049 FRAME: 0037**

Application No.: Unknown Filing Date: Filed Herewith

PATENT

Client Code: 1DATA 101A

Page 1

ASSIGNMENT

WHEREAS, We, Lisa C. Tidwell, a USA citizen, residing at 11511 Echo Hollow Street, Houston, Texas 77024, Amy L. Swift, a USA citizen, residing at 15469 Mountain View Lane, Frisco, Texas 75035; Cassandra Mollett, a USA citizen, residing at 1735 Lexington, Houston, Texas 77098; Mark Wallin, a USA citizen, residing at 7415 Guinevere Drive, Sugar Land, Texas 77479; Lance D. Pate, a USA citizen, residing at 102 Brookwood, Victoria, Texas 77901; and Charles R. Williams, a USA citizen, residing at 3309 Lakeway Lane, Pearland, Texas 77584, have invented certain new and useful improvements in SYSTEMS AND METHODS FOR ASSESSING THE RISK OF A FINANCIAL TRANSACTION USING AUTHENTICATING MARKS for which we have executed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, First Data Corporation (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 12500 East Belford Avenue, Suite M21A2, Englewood, CO 80112-5939, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

Fra C. Fedwell	
Lisa C. Tidwell	
Amy L. Swift	Dated:
- J. MIHA	Dated: ///2/2003
Cassandra Mollett	Dated: 11/19/2003
Mark Wallin	Dated. 7 · 7 · · · · · · · · · · · · · · · ·
Lance D. Pate	Dated:
Charles P. Williams	Dated: ///13/2003

PATENT REEL: 020049 FRAME: 0038 Application No.: Unknown Filing Date: Filed Herewith

PATENIT

Client Code: 1DATA.101A

Page 1

ASSIGNMENT

WHEREAS, We, Lisa C. Tidwell, a USA citizen, residing at 11511 Echo Hollow Street, Houston, Texas 77024, Amy L. Swift, a USA citizen, residing at 15469 Mountain View Lane, Frisco, Texas 75035; Cassandra Mollett, a USA citizen, residing at 1735 Lexington, Houston, Texas 77098; Mark Wallin, a USA citizen, residing at 7415 Guinevere Drive, Sugar Land, Texas 77479; Lance D. Pate, a USA citizen, residing at 102 Brookwood, Victoria, Texas 77901; and Charles R. Williams, a USA citizen, residing at 3309 Lakeway Lane, Pearland, Texas 77584, have invented certain new and useful improvements in SYSTEMS AND METHODS FOR ASSESSING THE RISK OF A FINANCIAL TRANSACTION USING AUTHENTICATING MARKS for which we have executed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, First Data Corporation (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 12500 East Belford Avenue, Suite M21A2, Englewood, CO 80112-5939, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

Lisa C. Tidwell	Dated:
Anty L Swift	
Cassandra Mollett	Dated:
Mark Wallin	Dated:
Lance D. Pate	_ Dated:
Charles R. Williams	Dated:

PATENT REEL: 020049 FRAME: 0039 Application No.: Unknown Filing Date: Filed Herewith

PATENT

Client Code: 1DATA 101A

Page 🙏

ASSIGNMENT

WHEREAS, We, Lisa C. Tidwell, a USA citizen, residing at 11511 Echo Hollow Street, Houston, Texas 77024, Amy L. Swift, a USA citizen, residing at 15469 Mountain View Lane, Frisco, Texas 75035; Cassandra Moliett, a USA citizen, residing at 1735 Lexington, Houston, Texas 77098; Mark Wallin, a USA citizen, residing at 7415 Guinevere Drive, Sugar Land, Texas 77479; Lance D. Pate, a USA citizen, residing at 102 Brookwood, Victoria, Texas 77901; and Charles R. Williams, a USA citizen, residing at 3309 Lakeway Lane, Pearland, Texas 77584, have invented certain new and useful improvements in SYSTEMS AND METHODS FOR ASSESSING THE RISK OF A FINANCIAL TRANSACTION USING AUTHENTICATING MARKS for which we have executed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, First Data Corporation (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 12500 East Belford Avenue, Suite M21A2, Englewood, CO 80112-5939, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filled for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful paths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

	Dated:	
Lisa C. Tidwell		
	Dated:	
Amy L. Swift		
	Dated:	
Cassandra Mollett		
ha I Mar III	Dated:	
Mark Wallin Lance D. Pat	Dated:/_/0/03	
Laneé D. Pate		
CI I Es Malle	Dated:	
Charles R. Williams		

PATENT REEL: 020049 FRAME: 0040

RECORDED: 10/31/2007