

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>Brian Kean</td><td>02/22/2006</td></tr><tr><td>Kristi White</td><td>02/09/2006</td></tr></tbody></table>	Name	Execution Date	Brian Kean	02/22/2006	Kristi White	02/09/2006	
Name	Execution Date						
Brian Kean	02/22/2006						
Kristi White	02/09/2006						
RECEIVING PARTY DATA							
Name:	First Data Corporation						
Street Address:	12500 East Belford Avenue						
City:	Englewood						
State/Country:	COLORADO						
Postal Code:	80112-5939						
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>11005880</td></tr></tbody></table>	Property Type	Number	Application Number:	11005880			
Property Type	Number						
Application Number:	11005880						
CORRESPONDENCE DATA							
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ATTORNEY DOCKET NUMBER:	020375-058300US						
NAME OF SUBMITTER:	Patrick M. Boucher						
Total Attachments: 2 source=058300 Assignment#page1.tif source=058300 Assignment#page2.tif							

CH 11005880 \$40.00

PATENT

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REEL: 017237 FRAME: 0567

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Brian Kean of 938 LongView Road, Missouri Valley, IA 51555; and Kristi White of 2412 South 153 Street, Omaha, NE 68144, 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: CRYPTOGRAPHIC-KEY GENERATION AND
MANAGEMENT

Date(s) of execution of Declaration: Kean 2/22/2006; White 2/9/2006

Filing Date: December 6, 2004

Application No.: 11/005,880; and

WHEREAS, First Data Corporation, a corporation of the state of Delaware, located at 12500 East Belford Avenue, Suite M21A2, Englewood, CO 80112-5939, 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;

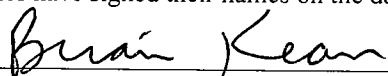
For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial 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 Assignee, 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 Townsend and Townsend and Crew 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: 2/22/06


Brian Kean

Dated: _____

Kristi White

ASSIGNMENT OF PATENT APPLICATION

JOINT

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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.

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Dated: _____

Brian Kean

Dated: 2/9/06

Kristi White
Kristi White