

## 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>David T. Rose</td> <td>02/28/2012</td> </tr> <tr> <td>Donald Henry Hopper Jr.</td> <td>02/28/2012</td> </tr> <tr> <td>Kejun Zhang</td> <td>02/28/2012</td> </tr> </tbody> </table>		Name	Execution Date	David T. Rose	02/28/2012	Donald Henry Hopper Jr.	02/28/2012	Kejun Zhang	02/28/2012		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Fiserv, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>255 Fiserv Drive</td> </tr> <tr> <td>City:</td> <td>Brookfield</td> </tr> <tr> <td>State/Country:</td> <td>WISCONSIN</td> </tr> <tr> <td>Postal Code:</td> <td>53045</td> </tr> </table>		Name:	Fiserv, Inc.	Street Address:	255 Fiserv Drive	City:	Brookfield	State/Country:	WISCONSIN	Postal Code:	53045
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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>13407102</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13407102						
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CORRESPONDENCE DATA											
<p>Fax Number: (404)853-8806</p> <p>Phone: 4048538037</p> <p>Email: rhett.white@sutherland.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: SUTHERLAND ASBILL &amp; BRENNAN LLP</p> <p>Address Line 1: 999 Peachtree Street, N.E.</p> <p>Address Line 4: Atlanta, GEORGIA 30309-3996</p>											
ATTORNEY DOCKET NUMBER:	23952-0557										
NAME OF SUBMITTER:	Rhett S. White										
<p>Total Attachments: 4</p> <p>source=23952_0557assignment#page1.tif</p> <p>source=23952_0557assignment#page2.tif</p> <p>source=23952_0557assignment#page3.tif</p> <p>source=23952_0557assignment#page4.tif</p>											

CH \$40.00 13407102

## ASSIGNMENT

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WHEREAS, we, **David T. Rose**, a citizen of the United States of America, residing at 2430 Manor Creek Ct., Cumming, Georgia 30041, USA; **Donald Henry Hopper Jr.**, a citizen of the United States of America, residing at 2354 Mountain West Trail, Stone Mountain, Georgia 30087, USA; and **Kejun Zhang**, a citizen of China, residing at 1101 Juniper St., #1504, Atlanta, Georgia 30309, USA; have invented certain inventions and improvements disclosed in an application for Letters Patent entitled “**SYSTEMS AND METHODS FOR EVALUATING ALTERNATIVE FINANCIAL PRODUCTS**,” filed in the United States Patent and Trademark Office on February 28, 2012, under U.S. Patent Application Serial No. **13/407,102** (*We hereby authorize and request that Sutherland Asbill & Brennan LLP insert the filing date and application number in the preceding blanks when known*) and Docket No. 23952-0557; and

WHEREAS, **FISERV, INC.**, a corporation of the State of Wisconsin, having a place of business at 255 Fiserv Drive, Brookfield, WI 53045, is desirous of acquiring an interest in the same;

NOW, THEREFORE, for and in consideration of Five Dollars (\$5.00) and other good and valuable consideration, the receipt and sufficiency of which we hereby acknowledge, we, **David T. Rose, Donald Henry Hopper Jr., and Kejun Zhang**, by these presents do sell, assign and transfer unto **FISERV, INC.**, the full, exclusive and entire right, title, and interest in and to said applications, in and to any divisions, continuations, continuations in parts, and reissues thereof, and in and to all inventions and improvements disclosed and described in said applications, preparatory to obtaining Letters Patent of the United States therefor; and we hereby request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said applications, or from a division, continuation, continuation in part, or reissue thereof, to **FISERV, INC.**, as the assignee, for its interest and for the sole use and benefit of **FISERV, INC.**, and its assigns and legal representatives;

For the same consideration, we, by these presents do sell, assign, and transfer to **FISERV, INC.**, the full, exclusive, and entire right, title and interest in and to any foreign application or applications corresponding to any of said applications, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable

conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of FISERV, INC., or its designee insofar as permitted by applicable law.

AND, for the same consideration, we agree to sign all lawful papers, execute all division, continuing, continuation in part, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid FISERV, INC., its successors, assigns, and nominees, to obtain and enforce proper protection, including the right to sue for patent infringement, for all said inventions and improvements in all countries throughout the world.

FIRST INVENTOR:

David T. Rose  
David T. Rose

Date: 2-28-12

WITNESS: \_\_\_\_\_

Date: \_\_\_\_\_

WITNESS: \_\_\_\_\_

Date: \_\_\_\_\_

OR

USE SECTION BELOW ONLY IF SIGNING IN PRESENCE OF A NOTARY

David T. Rose  
David T. Rose

Date: 2-28-12

STATE OF Georgia

ss.

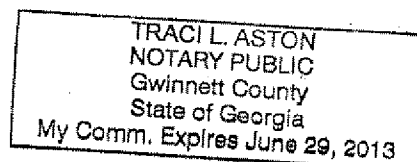
COUNTY OF Gwinnett

Before me, a Notary Public in and for the State of GA, on this 28th day of February, 2012, personally appeared David T. Rose, who being duly sworn, signed & acknowledged the foregoing Assignment as his/her free act and deed.

(SEAL)

Traci L. Aston  
(Notary Public)

My Commission Expires:



PATENT

REEL: 027785 FRAME: 0431

**SECOND INVENTOR:**

Donald Henry Hopper Jr.  
Donald Henry Hopper Jr.

Date: 2/28/12

WITNESS: \_\_\_\_\_

Date: \_\_\_\_\_

WITNESS: \_\_\_\_\_

Date: \_\_\_\_\_

OR

**USE SECTION BELOW ONLY IF SIGNING IN PRESENCE OF A NOTARY**

Donald Henry Hopper Jr.  
Donald Henry Hopper Jr.

Date: 2/28/12

STATE OF Georgia  
COUNTY OF Gwinnett

ss.

Before me, a Notary Public in and for the State of GA, on this 28th day of February, 2012, personally appeared **Donald Henry Hopper Jr.**, who being duly sworn and acknowledged the foregoing Assignment as his/her free act and deed.

(SEAL)

Traci L. Aston  
(Notary Public)

My Commission Expires:

TRACI L. ASTON  
NOTARY PUBLIC  
Gwinnett County  
State of Georgia  
My Comm. Expires June 29, 2013

**THIRD INVENTOR:**

Kejun Zhang  
Kejun Zhang

Date: 2-28-2012

WITNESS: \_\_\_\_\_

Date: \_\_\_\_\_

WITNESS: \_\_\_\_\_

Date: \_\_\_\_\_

OR

**USE SECTION BELOW ONLY IF SIGNING IN PRESENCE OF A NOTARY**

Kejun Zhang  
Kejun Zhang

Date: 2-28-2012

STATE OF Georgia )  
COUNTY OF DeKalb )

ss.

Before me, a Notary Public in and for the State of GA, on this 28<sup>th</sup> day of February, 2012, personally appeared **Kejun Zhang**, who being duly sworn, signed and acknowledged the foregoing Assignment as his/her free act and deed.

(SEAL)

[Signature]  
(Notary Public)

My Commission Expires: