

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Jeff D. McCullough	01/29/2010
<b>RECEIVING PARTY DATA</b>	
Name:	Elster Solutions, LLC
Street Address:	208 S. Rogers Lane
City:	Raleigh
State/Country:	NORTH CAROLINA
Postal Code:	27610
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	12696724
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(215)568-3439
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Correspondent Name:	WOODCOCK WASHBURN LLP
Address Line 1:	2929 Arch Street
Address Line 2:	Cira Centre, 12th Floor
Address Line 4:	Philadelphia, PENNSYLVANIA 19104
ATTORNEY DOCKET NUMBER:	ELSE-1176/E20090240
NAME OF SUBMITTER:	Janis Calvo
<b>Total Attachments: 3</b> source=ELSE-1176 EXECUTED ASSIGNMENT#page1.tif source=ELSE-1176 EXECUTED ASSIGNMENT#page2.tif source=ELSE-1176 EXECUTED ASSIGNMENT#page3.tif	

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**PATENT**  
**REEL: 023981 FRAME: 0773**

**DOCKET NO.: ELSE-1176/E20090240**

**PATENT  
Sole Inventor  
(Pending Application;  
Application No. Unknown)**

**ASSIGNMENT**

WHEREAS, I **Jeff D. McCullough**, hereinafter referred to as the assignor, residing at **2904 Whitehart Lane, Street 2, Raleigh, NC 27606-9417**, am the inventor of certain inventions or improvements for which I have made application for Letters Patent of the United States, identified as Case No. **ELSE-1176**, entitled **KEY MANAGEMENT IN A METER NETWORK USING PRIMARY AND SECONDARY KEYS**; and

WHEREAS, **Elster Solutions, LLC**, hereinafter referred to as the assignee, of **208 S. Rogers Lane, Raleigh, NC 27610**, a limited liability company organized and existing under the laws of the State of **Delaware**, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to me in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said assignor, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any re-issue or re-issues or extension or extensions of said Letters Patent, including the full right to sue for and collect damages for past violations of provisional rights having arisen from any publication of said application or any continuations, divisions, or renewals of or substitutes for said application. I further assign to and authorize said assignee to file in my name applications for Letters Patent in all countries the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

AND I hereby covenant that I have full right to convey the entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith, and I further covenant and agree that I will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees or legal representatives, and I agree to communicate to said assignee, or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and

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PATENT  
Sole Inventor  
(Pending Application;  
Application No. Unknown)

enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND I hereby authorize and request the Commissioner of Patents and Trademarks 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 to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patents of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I further authorize and direct my attorneys to insert below\* the application number and filing date of said application now identified as Case No. **ELSE-1176** as soon as the same shall have been made known to them by the United States Patent Office.

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

1-29-10      Jeff D. McCullough (L.S.)  
Date      Jeff D. McCullough

STATE OF NC :  
COUNTY OF Wake : SS

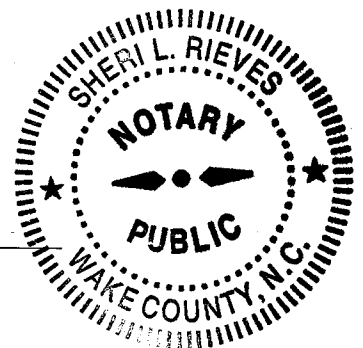
On this 29th day of January, year of 2010, before me personally came the above named Jeff D. McCullough to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

Sheri L. Rieves  
Notary Public      Sheri L. Rieves  
my commission expires 6-26-2010

\*The above assignment covers Application No.  
12/696724, filed on January 29, year of 2010

The above insertion made by me this \_\_\_\_\_ day of  
February, year of 2010

Steven Blum



DOCKET NO.: ELSE-1176/E20090240

PATENT  
Sole Inventor  
(Pending Application;  
Application No. Unknown)

of WOODCOCK WASHBURN LLP  
Name: Steven B. Samuels  
Registration No. 37,711

STATEMENT OF WITNESS

SIGNED at Raleigh, NC United States  
(City) (Country)

This 29<sup>th</sup> day of JANUARY, 200 2010

Michelle L. Simmons

I, Michelle Lynn Simmons whose full  
residence address is 3217 Barc Creek Lane  
Raleigh NC 27603

was personally present and did see Jeff McCullough execute the above assignment on the  
29<sup>th</sup> day of January, 200 2010, and such assignor is personally known to me to be  
the person described in such document.

Michelle Lynn Simmons  
Signature of Witness