

10-06-2005



To The Honorable Commissioner of Patents

and original documents or copy thereof.

1. Name of conveying party(ies):

103094979

Name of receiving party(ies):

Dileep Rudran 9/23/05
First Assignor Date of Execution

Sean M. Scoggins 9/26/05
Second Assignor Date of Execution

Russell G. Christopher 9/23/05
Third Assignor Date of Execution

Fourth Assignor Date of Execution

Fifth Assignor Date of Execution

Sixth Assignor Date of Execution

Additional name(s) of conveying party(ies) attached? ☐ YES ☒ NO

Elster Electricity LLC

Street Address:

208 South Rogers Lane

City:

Raleigh

State

ZIP

North Carolina

27610

Additional name(s) & address attached? ☐ YES ☐ NO112975 U.S. PTO
11/238073

092805

3. Nature of Conveyance (check only one):

☒ New Assignment☐ Merger☐ License Agreement☐ Security Agreement☐ Change of Name☐ Other:

4. Identification of Application number(s), patent number(s) OR date of execution of application to which assignment refers:

Application Nos.:

Patent Nos.:

Date application was signed by the first named executing inventor

September 23, 2005

(Fill-in this date only if assignment is filed together with a new application)

5. Name and address of party to whom correspondence concerning documents should be mailed:

Name: Lawrence A. Aaronson
WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia, Pennsylvania 19103-7301
215-568-3100

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☐ Enclosed☒ Authorized to be charged to Deposit Account Number 23-3050

CLIENT MATTER NUMBER: ELSE-
0945/E20050140

8. Please charge any deficiency or credit any overpayment to Deposit Account Number 23-3050

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Lawrence A. Aaronson / 38,369
Name of Person Signing/Reg. No.

Signature

September 28, 2005
Date

Total number of pages including cover sheet, assignment document and additional pages attached thereto: 12

Mail documents to be recorded with required cover sheet information to:

10/04/2005 ECOOPER 00000135 233050 11238073

Mail Stop Assignment Recordation Services
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

01 FC:8021

40.00 DA

PATENT

REEL: 017046 FRAME: 0359

ASSIGNMENT

WHEREAS, we **Dileep Rudran, Sean M. Scoggins and Russell G. Christopher**, hereinafter referred to as the assignors, residing respectively at **408 Burgwin Wright Way, Cary, North Carolina, 27519; 1406 Lyon Street, Raleigh, North Carolina, 27608; and 704 Neuse Ridge Road, Clayton, North Carolina, 27520** are the joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Case No. **Not Yet Assigned**, entitled **Ensuring Automatic Season Change Demand Resets in a Mesh Type Network of Telemetry Devices**; and

WHEREAS, **Elster Electricity LLC**, hereinafter referred to as the assignee, of **208 South Rogers Lane, Raleigh, North Carolina, 27610**, a corporation 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 good and valuable consideration, the receipt of which is hereby acknowledged, and intending to be legally bound hereby, we, the said assignors, 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 reissue or reissues 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. We further assign to and authorize said assignee, to file in our names 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 us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we 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 each of us agrees 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

possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we 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 Patent 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.

AND this Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Assignment. Additionally, we hereby authorize our attorneys to collect the signature pages of each executed counterpart and to attach those signature pages to a single copy of this instrument, which single copy and attached signature pages together shall constitute an original of this Assignment.

We further authorize and direct our attorneys to insert below* the application number and filing date of said application now identified as Case No. **Not Yet assigned** as soon as the same shall have been made known to them by the United States Patent Office.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

09/23/2005
Date

Dileep Rudran (L.S.)
Dileep Rudran

STATE OF North Carolina:
COUNTY OF Wake: SS

On this 23 day of September, year of 2005, before me personally came the above named Dileep Rudran 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.

Debra B. Harvell
Notary Public

My Commission Expires
8/13/2008



PATENT
REEL: 017046 FRAME: 0362

Notary Public

ASSIGNMENT

WHEREAS, we **Dileep Rudran, Sean M. Scoggins and Russell G. Christopher**, hereinafter referred to as the assignors, residing respectively at **408 Burgwin Wright Way, Cary, North Carolina, 27519; 1406 Lyon Street, Raleigh, North Carolina, 27608; and 704 Neuse Ridge Road, Clayton, North Carolina, 27520** are the joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Case No. **Not Yet Assigned**, entitled **Method For Ensuring Automatic Season Change Demand A Mesh Type Network Of Telemetry Devices**; and

WHEREAS, **Elster Electricity LLC**, hereinafter referred to as the assignee, of **208 South Rogers Lane, Raleigh, North Carolina, 27610**, a corporation 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 good and valuable consideration, the receipt of which is hereby acknowledged, and intending to be legally bound hereby, we, the said assignors, 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 reissue or reissues 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. We further assign to and authorize said assignee, to file in our names 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 us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we 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 each of us agrees 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

PATENT
REEL: 017046 FRAME: 0365

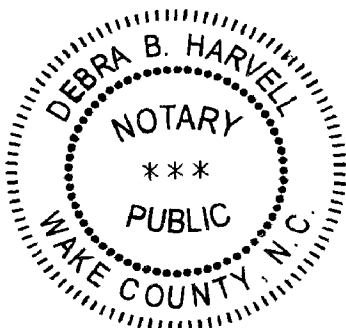
Date 9/26/2005

Sean M. Scoggins (L.S.)
Sean M. Scoggins

STATE OF North Carolina : SS
COUNTY OF Wake :

On this 26 day of September year of 2005 before me personally came the above named Sean M. Scoggins 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.

Debra B. Harvell
Notary Public



My Commission Expires
8/12/2007

Date

Russell G. Christopher (L.S.)

STATE OF _____ :
: SS
COUNTY OF _____ :

On this _____ day of _____, year of _____, before me personally came the above named _____ 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.

Notary Public

ASSIGNMENT

WHEREAS, we **Dileep Rudran, Sean M. Scoggins and Russell G. Christopher**, hereinafter referred to as the assignors, residing respectively at **408 Burgwin Wright Way, Cary, North Carolina, 27519; 1406 Lyon Street, Raleigh, North Carolina, 27608; and 704 Neuse Ridge Road, Clayton, North Carolina, 27520** are the joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Case No. **Not Yet Assigned**, entitled **Ensuring Automatic Season Change Demand Resets in a Mesh Type Network of Telemetry Devices**; and

WHEREAS, **Elster Electricity LLC**, hereinafter referred to as the assignee, of **208 South Rogers Lane, Raleigh, North Carolina, 27610**, a corporation 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 good and valuable consideration, the receipt of which is hereby acknowledged, and intending to be legally bound hereby, we, the said assignors, 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 reissue or reissues 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. We further assign to and authorize said assignee, to file in our names 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 us had this assignment, sale and transfer not been made.

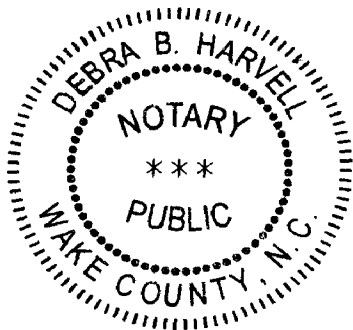
AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all 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 each of us agrees 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

PATENT
REEL: 017046 FRAME: 0369

Notary Public

Sept 23, 2005
DateRussell Christopher (L.S.)
Russell G. ChristopherSTATE OF North Carolina :
COUNTY OF Wake : SS

On this 23 day of September, year of 2005, before me personally came the above named Russell G. Christopher 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.

Debra B. Harvell
Notary Public**My Commission Expires**
5/12/2008