

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Chikaodinaka Nwankpa</td> <td>09/29/2011</td> </tr> <tr> <td>Karen Miu Miller</td> <td>09/29/2011</td> </tr> <tr> <td>Jonathan Berardino</td> <td>09/29/2011</td> </tr> </tbody> </table>		Name	Execution Date	Chikaodinaka Nwankpa	09/29/2011	Karen Miu Miller	09/29/2011	Jonathan Berardino	09/29/2011		
Name	Execution Date										
Chikaodinaka Nwankpa	09/29/2011										
Karen Miu Miller	09/29/2011										
Jonathan Berardino	09/29/2011										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Drexel University</td> </tr> <tr> <td>Street Address:</td> <td>3141 Chestnut Street</td> </tr> <tr> <td>City:</td> <td>Philadelphia</td> </tr> <tr> <td>State/Country:</td> <td>PENNSYLVANIA</td> </tr> <tr> <td>Postal Code:</td> <td>19104</td> </tr> </table>		Name:	Drexel University	Street Address:	3141 Chestnut Street	City:	Philadelphia	State/Country:	PENNSYLVANIA	Postal Code:	19104
Name:	Drexel University										
Street Address:	3141 Chestnut Street										
City:	Philadelphia										
State/Country:	PENNSYLVANIA										
Postal Code:	19104										
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>13825068</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13825068						
Property Type	Number										
Application Number:	13825068										
CORRESPONDENCE DATA											
Fax Number:	2155683439										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	215-568-3100										
Email:	assignments@woodcock.com										
Correspondent Name:	WOODCOCK WASHBURN LLP										
Address Line 1:	CIRA CENTRE, 12TH FLOOR										
Address Line 2:	2929 ARCH STREET										
Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19104-2891										
ATTORNEY DOCKET NUMBER:	DXU-0466 / 10-1195D										
NAME OF SUBMITTER:	Valerie Chicchi										
<p>Total Attachments: 6 source=executed_Drexel_assignment#page1.tif</p>											

CH \$40.00 13825068

source=executed_Drexel_assignment#page2.tif
source=executed_Drexel_assignment#page3.tif
source=executed_Drexel_assignment#page4.tif
source=executed_Drexel_assignment#page5.tif
source=executed_Drexel_assignment#page6.tif

ASSIGNMENT

WHEREAS, I, **Chikaodinaka Nwankpa**, a citizen of **United States**, residing at **2419 South Street, Philadelphia, Pennsylvania 19104**, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number **DXU-0345 / 09-1134D** ("the invention"), which is entitled **DYNAMIC LOAD MODELING OF A BUILDING'S CONSUMPTION FOR DEMAND RESPONSE APPLICATIONS** ("the subject application"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, **Drexel University**, ASSIGNEE, having a place of business at **3141 Chestnut Street, Philadelphia, Pennsylvania 19104**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal

DOCKET NO.: DXU-0345 / 09-1134D

representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 29th day of September, year of 2011.

Chikaodinaka Nwankpa
Signature – Chikaodinaka Nwankpa

STATEMENT OF NOTARY PUBLIC

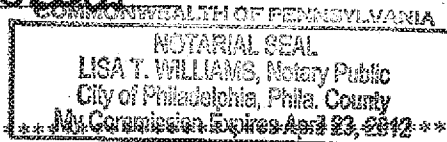
STATE OF Pennsylvania:

: SS

COUNTY OF Philadelphia:

On this 29th day of September, year of 2011, before me personally came the above named Chikaodinaka Nwankpa 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.

Lisa T. Williams
Notary Public



The foregoing assignment covers patent application number 61/389,079, filed on October 1, 2010.

/Kyle D. Petaja/

Name of Attorney: Kyle D. Petaja
Registration No.: 60,309
Date of Insertion: 9/30/11

ASSIGNMENT

WHEREAS, I, **Karen Miu Miller**, a citizen of **United States**, residing at **2020 Walnut Street, #31A, Philadelphia, Pennsylvania 19103**, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number **DXU-0345 / 09-1134D** ("the invention"), which is entitled **DYNAMIC LOAD MODELING OF A BUILDING'S CONSUMPTION FOR DEMAND RESPONSE APPLICATIONS** ("the subject application"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, **Drexel University**, ASSIGNEE, having a place of business at **3141 Chestnut Street, Philadelphia, Pennsylvania 19104**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal

DOCKET NO.: DXU-0345 / 09-1134D

representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 29th day of Sept, year of 2011.


Signature – Karen Miu Miller

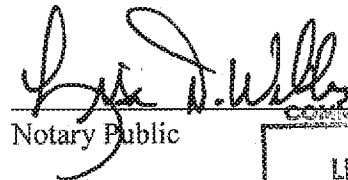
STATEMENT OF NOTARY PUBLIC

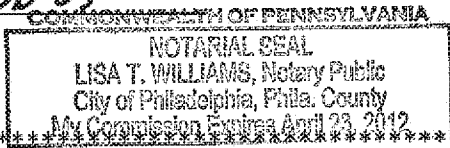
STATE OF Pennsylvania :

: SS

COUNTY OF Philadelphia :

On this 29th day of September, year of 2011, before me personally came the above named **Karen Miu Miller** 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



The foregoing assignment covers patent application number **61/389,079**, filed on **October 1, 2010**.

/Kyle D. Petaja/

Name of Attorney: Kyle D. Petaja
Registration No.: 60,309
Date of Insertion: 9/30/11

ASSIGNMENT

WHEREAS, I, **Jonathan Berardino**, a citizen of **United States**, residing at **634 Pine Street, Floor 3, Philadelphia, Pennsylvania 19106**, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number **DXU-0345 / 09-1134D** ("the invention"), which is entitled **DYNAMIC LOAD MODELING OF A BUILDING'S CONSUMPTION FOR DEMAND RESPONSE APPLICATIONS** ("the subject application"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, **Drexel University**, ASSIGNEE, having a place of business at **3141 Chestnut Street, Philadelphia, Pennsylvania 19104**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal

DOCKET NO.: DXU-0345 / 09-1134D

representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 29th day of September, year of 2011.


Signature -- Jonathan Berardino

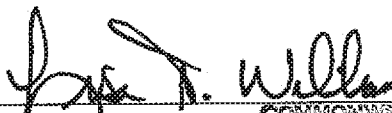
STATEMENT OF NOTARY PUBLIC

STATE OF Pennsylvania :

: SS

COUNTY OF Philadelphia :

On this 29th day of September, year of 2011, before me personally came the above named **Jonathan Berardino** 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
COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
LISA T. WILLIAMS, Notary Public
City of Philadelphia, Phila. County
My Commission Expires April 23, 2012

The foregoing assignment covers patent application number **61/389,079**, filed on **October 1, 2010**.

/Kyle D. Petaja/

Name of Attorney: Kyle D. Petaja
Registration No.: 60,309
Date of Insertion: 9/30/11