

PATENT ASSIGNMENT

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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>Meihuan Zhu Fulk</td> <td>07/20/2012</td> </tr> <tr> <td>Richard Gutman</td> <td>07/20/2012</td> </tr> </tbody> </table>		Name	Execution Date	Meihuan Zhu Fulk	07/20/2012	Richard Gutman	07/20/2012
Name	Execution Date						
Meihuan Zhu Fulk	07/20/2012						
Richard Gutman	07/20/2012						
RECEIVING PARTY DATA							
Name:	AEP Transmission Holding Company, LLC						
Street Address:	1 Riverside Plaza						
City:	Columbus						
State/Country:	OHIO						
Postal Code:	43215						
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>29427795</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	29427795		
Property Type	Number						
Application Number:	29427795						
CORRESPONDENCE DATA							
Fax Number:							
Email:	standleydocketing@standleyllp.com						
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	Standley Law Group LLP						
Address Line 1:	6300 Riverside Drive						
Address Line 4:	Dublin, OHIO 43017						
ATTORNEY DOCKET NUMBER:	AEP1480-180						
NAME OF SUBMITTER:	James L. Kwak						
<p>Total Attachments: 5</p> <p>source=Signed_Assignment-AEP1480-180#page1.tif</p> <p>source=Signed_Assignment-AEP1480-180#page2.tif</p> <p>source=Signed_Assignment-AEP1480-180#page3.tif</p> <p>source=Signed_Stmt_Under_3.73_AEP1480-180#page1.tif</p> <p>source=Signed_Stmt_Under_3.73_AEP1480-180#page2.tif</p>							

CH \$40.00 29427795

PATENT ASSIGNMENT AND SALE

THIS PATENT ASSIGNMENT AND SALE effective as of the date last written below is by and between Meihuan Zhu Fulk, a citizen of the People's Republic of China residing at 3663 Hidden Cove Circle, Lewis Center, Ohio 43035 USA, and Richard Gutman, a citizen of the United States of America residing at 1407 Beechlake Drive, Columbus, Ohio 43235 USA (collectively, the "Assignors"), and AEP Transmission Holding Company, LLC ("Assignee"), a Delaware limited liability company having its principal place of business at 1 Riverside Plaza, Columbus, Ohio 43215.

WITNESSETH

WHEREAS the Assignors are the inventors of POWER TRANSMISSION TOWER, an invention being fully described and/or claimed in an application for Design Patent of the United States of America, filed July 23, 20¹² and assigned application number 29427795 and who now desires to assign the invention and/or improvements in POWER TRANSMISSION TOWER to Assignee for the United States and throughout the world. *[The Assignors hereby authorize and request that Anthony J. Swaneck, Esq., attorney for the Assignee, insert the filing date and application serial number of said application where indicated above and below when such are known.]*

NOW THEREFORE, in contemplation of the above and in consideration of the following mutual promises, Assignors and Assignee agree as follows:

The undersigned Assignors, by these presents, do hereby agree to sell, assign, transfer and set over and have sold, assignment, transferred and set over unto the Assignee the entire right, title and interest in and to the invention and/or improvements in POWER TRANSMISSION TOWER, an invention being fully described and/or claimed in an application for Design Patent of the United States of America, filed on July 23, 20¹² and assigned application number 29427795, in and for the United States and all foreign countries including the right to apply for patent rights in each foreign country, and to any and all additional applications derived therefrom, including, but not limited to, any and all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Design Patents which have been or shall be filed in the United States and all foreign countries on any of the said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States the same to be held and enjoyed by the Assignee, its successors, assigns or other legal representatives, to the full ends of the term for which Design Patent(s) thereof may be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

Assignee, at its expense, agrees to file the application for Design Patent of the United States of America and in the application will list the Assignors as the inventors of POWER TRANSMISSION TOWER.

Assignee is hereby authorized to make application for and to receive Design Patent for POWER TRANSMISSION TOWER, and any and all applications derived therefrom, in any country at its election.

The undersigned Assignors agree to execute or procure any further necessary assurance of title to the invention and Design Patent(s); and at any time, upon request and at the expense of Assignee, will execute and deliver any and all papers that may be necessary or desirable to perfect title of said invention or any Design Patent which may be granted therefor to Assignee, its successors, assigns or other legal representatives, and upon the request and at the expense of Assignee, will execute any additional or divisional applications for patents of the invention, or any part or parts thereof, and for the reissue of any

Design Patent to be granted thereof, will make all rightful oaths and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of Assignee, its successors, assigns or other legal representatives; provided however, that if an Assignor is no longer an employee of an affiliated company of the American Electric Power system, then as for that Assignor, the obligations set forth in this paragraph are conditioned on Assignee expressly agreeing to pay Assignor's reasonable costs as a direct result of providing further assistance to the Assignee in the prosecution of the above referenced patent application.

The Commissioner of Patents is hereby authorized and requested to issue any and all Design Patent(s) of the United States for said invention, to the Assignee.

WITNESS:

ASSIGNOR:

[Signature]

[Signature]
Meihuan Zhu Fulk

DATE: 7/20/2012

State of Ohio,

County of Franklin, SS:

SWORN to and subscribed to before me this 20th day of July, 2012

[Signature]
NOTARY PUBLIC
Commission Expires 05-10-2016

WITNESS:

ASSIGNOR:

[Signature]

[Signature]
Richard Gutman

DATE: 7/20/2012

State of Ohio,

County of Franklin, SS:

SWORN to and subscribed to before me this 20th day of July, 2012.

[Signature]
NOTARY PUBLIC
Commission Expires 05-10-2012

WITNESS:

T. Paul Park

ASSIGNEE:

AEP Transmission Holding Company, LLC

[Signature]

Name: Lisa M. Barton

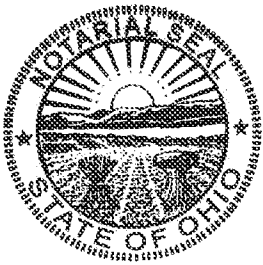
Title: President and COO

DATE: 7/20/12

State of Ohio,

County of Franklin, SS:

SWORN to and subscribed to before me this 20 day of July, 2012.



JOSEPHINE CONER
Notary Public, State of Ohio
My Commission Expires 09-20-16

Josephine Coner
NOTARY PUBLIC

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Meihuan Zhu Fulk and Richard Gutman

Application No./Patent No.: _____ Filed/Issue Date: _____

Titled: **POWER TRANSMISSION TOWER**

AEP Transmission Holding Company, LLC, a limited liability company
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- 1. the assignee of the entire right, title, and interest in;
- 2. an assignee of less than the entire right, title, and interest in
(The extent (by percentage) of its ownership interest is _____ %); or
- 3. the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

the patent application/patent identified above, by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy therefore is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

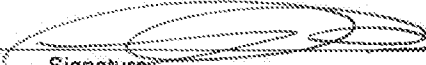
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet(s).

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.


Signature

7/20/12
Date

Lisa M. Barton
Printed or Typed Name

President and COO
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PATENT

RECORDED: 07/23/2012

REEL: 028614 FRAME: 0440