

## 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>Zhusen SUN</td><td>03/01/2012</td></tr> <tr><td>Qiang ZHANG</td><td>03/01/2012</td></tr> <tr><td>Minghua LI</td><td>03/01/2012</td></tr> <tr><td>Zhijun LI</td><td>03/01/2012</td></tr> <tr><td>Ting LIU</td><td>03/01/2012</td></tr> <tr><td>Feng HUO</td><td>03/01/2012</td></tr> <tr><td>Min DAI</td><td>03/01/2012</td></tr> <tr><td>Kai LIU</td><td>03/01/2012</td></tr> <tr><td>Xiong WU</td><td>03/01/2012</td></tr> <tr><td>Dingxie GU</td><td>03/01/2012</td></tr> <tr><td>Peihong ZHOU</td><td>03/01/2012</td></tr> <tr><td>Ying LOU</td><td>03/01/2012</td></tr> <tr><td>Zhenqiang LI</td><td>03/01/2012</td></tr> <tr><td>Huiwen HE</td><td>03/01/2012</td></tr> </tbody> </table> |                                              | Name          | Execution Date                               | Zhusen SUN          | 03/01/2012                             | Qiang ZHANG       | 03/01/2012     | Minghua LI | 03/01/2012 | Zhijun LI      | 03/01/2012 | Ting LIU     | 03/01/2012 | Feng HUO | 03/01/2012 | Min DAI | 03/01/2012 | Kai LIU | 03/01/2012 | Xiong WU | 03/01/2012 | Dingxie GU | 03/01/2012 | Peihong ZHOU | 03/01/2012 | Ying LOU | 03/01/2012 | Zhenqiang LI | 03/01/2012 | Huiwen HE | 03/01/2012 |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Execution Date                               |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| Zhusen SUN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 03/01/2012                                   |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| Qiang ZHANG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 03/01/2012                                   |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| Minghua LI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 03/01/2012                                   |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| Zhijun LI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 03/01/2012                                   |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| Ting LIU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 03/01/2012                                   |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| Feng HUO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 03/01/2012                                   |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| Min DAI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 03/01/2012                                   |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| Kai LIU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 03/01/2012                                   |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| Xiong WU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 03/01/2012                                   |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| Dingxie GU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 03/01/2012                                   |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| Peihong ZHOU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 03/01/2012                                   |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| Ying LOU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 03/01/2012                                   |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| Zhenqiang LI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 03/01/2012                                   |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| Huiwen HE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 03/01/2012                                   |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| RECEIVING PARTY DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| <table border="1"> <tr><td>Name:</td><td>State Grid Electric Power Research Institute</td></tr> <tr><td>Street Address:</td><td>No. 143, Luoyu Road, Hongshan District</td></tr> <tr><td>Internal Address:</td><td>Hubei Province</td></tr> <tr><td>City:</td><td>Wuhan</td></tr> <tr><td>State/Country:</td><td>CHINA</td></tr> <tr><td>Postal Code:</td><td>430074</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                             |                                              | Name:         | State Grid Electric Power Research Institute | Street Address:     | No. 143, Luoyu Road, Hongshan District | Internal Address: | Hubei Province | City:      | Wuhan      | State/Country: | CHINA      | Postal Code: | 430074     |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | State Grid Electric Power Research Institute |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| Street Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | No. 143, Luoyu Road, Hongshan District       |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| Internal Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Hubei Province                               |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| City:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Wuhan                                        |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| State/Country:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | CHINA                                        |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| Postal Code:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 430074                                       |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| 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>13395112</td> </tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              | Property Type | Number                                       | Application Number: | 13395112                               |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| Property Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Number                                       |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 13395112                                     |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |
| CORRESPONDENCE DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |               |                                              |                     |                                        |                   |                |            |            |                |            |              |            |          |            |         |            |         |            |          |            |            |            |              |            |          |            |              |            |           |            |

CH \$40.00 13395112

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Address Line 1: 108 N. YNEZ AVE., SUITE 128  
Address Line 4: MONTEREY PARK, CALIFORNIA 91754

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|-------------------------|-----------------------|
| ATTORNEY DOCKET NUMBER: | USP4988C/SZ759-WSI AR |
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| NAME OF SUBMITTER: | Raymond Y. Chan |
|--------------------|-----------------|

Total Attachments: 14  
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source=USP4988CSZ759WSIAssignment300#page14.tif

## ASSIGNMENT

WHEREAS, I (we), Zhuxen SUN  
whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, have invented a  
certain new and useful improvements in  
Method For Vertically Grounding And Leading-down From Center Of Composite Material Pole Tower And  
Pole Tower Thereof  
(hereinafter referred to as the INVENTION) for which an application for United States Letters Patent was

☒ executed on even date herewith

☐ executed on:

☐ filed on:

Serial No.:

WHEREAS, STATE GRID ELECTRIC POWER RESEARCH INSTITUTE  
whose post office address is No. 143, Luoyu Road, Hongshan District, Wuhan, Hubei, P.R. China  
hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the  
same in the United States;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby  
acknowledged, I (we), ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the  
entire right, title, and interest in and to said INVENTION and application throughout the United States of  
America, including any and all Letters Patent granted on any division, continuation, continuation-in-part  
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ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in  
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required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration.  
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may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment  
and sale not been made.

ASSIGNOR authorizes Raymond Y. Chan to insert or complete any information in this document  
needed to effect its recordal in the U.S. Patent and Trademark Office.

ASSIGNOR NAME: Zhuxen SUN

ADDRESS: No. 143, Luoyu Road, Hongshan District, Wuhan, Hubei, P.R. China

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hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the INVENTION that are within ASSIGNEE'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.

ALSO, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behoof, and for the use and behoof of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR authorizes Raymond Y. Chan to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

ASSIGNOR NAME: Ting LIU

ADDRESS: No.143, Luoyu Road, Hongshan District, Wuhan, Hubei, P.R.China

SIGNATURE

DATE

## ASSIGNMENT

WHEREAS, I (we), Feng HUO  
 whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, have invented a  
 certain new and useful improvements in  
 Method For Vertically Grounding And Leading-down From Center Of Composite Material Pole Tower And  
 Pole Tower Thereof  
 (hereinafter referred to as the INVENTION) for which an application for United States Letters Patent was

☒ executed on even date herewith  
☐ executed on:  
☐ filed on:

Serial No.:

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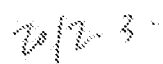
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 needed to effect its recordal in the U.S. Patent and Trademark Office.

ASSIGNOR NAME: Feng HUO

ADDRESS: No.143, Luoyu Road, Hongshan District, Wuhan, Hubei, P.R. China



SIGNATURE



DATE

## ASSIGNMENT

WHEREAS, I (we), Min DAI  
whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, have invented a  
certain new and useful improvements in  
Method For Vertically Grounding And Leading-down From Center Of Composite Material Pole Tower And  
Pole Tower Thereof  
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ASSIGNOR NAME: Min DAI

ADDRESS: No. 143, Luoyu Road, Hongshan District, Wuhan, Hubei, P.R. China.

SIGNATURE

DATE

## ASSIGNMENT

WHEREAS, I (we), Kai LIU  
whose post office address(es) appear(s) below, hereinafter (referred to as ASSIGNOR), have invented a  
certain new and useful improvements in  
Method For Vertically Grounding And Leading-down From Center Of Composite Material Pole Tower And  
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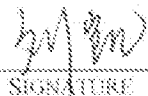
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needed to effect its recordal in the U.S. Patent and Trademark Office.

ASSIGNOR NAME: Kai LIU  
ADDRESS: No.143, Luoyu Road, Hongshan District, Wuhan, Hubei, P.R.China

  
SIGNATURE

2012.3.1  
DATE

## ASSIGNMENT

WHEREAS, I (we), Xiong WU  
whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, have invented a  
certain new and useful improvements in  
Method For Vertically Grounding And Leading-down From Center Of Composite Material Pole Tower And  
Pole Tower Thereof  
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needed to effect its recordal in the U.S. Patent and Trademark Office.

ASSIGNOR NAME: Xiong WU

ADDRESS: No.143,Luoyu Road,Hongshan District,Wuhan,Hubei,P.R.China

SIGNATURE

DATE

## ASSIGNMENT

WHEREAS, I (we), Dingxie GU

whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, have invented a certain new and useful improvements in  
Method For Vertically Grounding And Loading-down From Center Of Composite Material Pole Tower And Pole Tower Thereof

(hereinafter referred to as the INVENTION) for which an application for United States Letters Patent was

☒ executed on even date herewith  
☐ executed on:  
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Serial No.:

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ASSIGNOR NAME: Dingxie GU

ADDRESS: No.143 Luoyu Road, Hongshan District, Wuhan, Hubei, P.R.China

SIGNATURE

DATE

## ASSIGNMENT

WHEREAS, I (we), Peihong ZHOU  
whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, have invented a  
certain new and useful improvement in  
Method For Vertically Grounding And Leading-down From Center Of Composite Material Pole Tower And  
Pole Tower Thereof  
(hereinafter referred to as the INVENTION) for which an application for United States Letters Patent was

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ASSIGNOR NAME: Peihong ZHOU  
ADDRESS: No.143, Luoyu Road, Hongshan District, Wuhan, Hubei, P.R.China

SIGNATURE

DATE

## ASSIGNMENT

WHEREAS, I (we), Ying LOU  
whose post office address(es) appears below, hereinafter referred to as ASSIGNOR, have invented a  
certain new and useful improvements in  
Method For Vertically Grounding And Leading-down From Center Of Composite Material Pole Tower And  
Pole Tower Thereof  
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ASSIGNOR NAME: Ying LOU

ADDRESS: No.143, Luoyu Road, Hongshan District, Wuhan, Hubei, P.R. China

SIGNATURE

DATE

## ASSIGNMENT

WHEREAS, I (we), Zhengqiang Li  
whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, have invented a  
certain new and useful improvements in  
Method For Vertically Grounding And Leading-down From Center Of Composite Material Pole Tower And  
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ASSIGNOR NAME: Zhengqiang Li

ADDRESS: No.143, Luoyu Road, Hongshan District, Wuhan, Hubei, P.R.China

SIGNATURE

DATE

2012-3-1

## ASSIGNMENT

WHEREAS, I (we), Huiwen HE  
whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, have invented a  
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ASSIGNOR NAME: Huiwen HE  
ADDRESS: No.143, Luoyu Road, Hongshan District, Wuhan, Hubei, P.R.China

何慧雯

SIGNATURE

DATE