### 505340415 02/21/2019

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
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KAISUN	07/12/2018
BIN WANG	07/12/2018
XIN XU	07/12/2018

#### **RECEIVING PARTY DATA**

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State/Country:	TENNESSEE
Postal Code:	37996-4122

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16120022

#### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	UTRF0106PUSP
NAME OF SUBMITTER:	BENJAMIN C. STASA
SIGNATURE:	/Benjamin C. Stasa/
DATE SIGNED:	02/21/2019

**Total Attachments: 3** 

PATENT REEL: 048402 FRAME: 0521



PATENT REEL: 048402 FRAME: 0522

Atty, Docket No.: UTRF 0106 PRV

## **ASSIGNMENT**

For good and valuable consideration, receipt of which is hereby acknowledged, I do hereby assign, sell and set over to University of Tennessee Research Foundation, a non-profit 501(c)(3) organization having a place of business at UT Conference Center, 600 South Henley Street, Knoxville, TN 37996-4122, hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, my entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in

VOLTAGE STABILITY ASSESSMENT, CONTROL AND PROBABILISTIC POWER FLOW BASED ON MULTI-DIMENSIONAL HOLOMORPHIC EMBEDDING TECHNIQUES

or which an application for a United States Patent is to be filed or will have been filed on
uly 13, 2018 , as Application Serial No. 62/697907 (I hereby authorize
nsertion of the application filing date and serial number when they become known), including
he right of said ASSIGNEE, its successors, assigns or other legal representatives to make
pplications and to receive Letters Patent for said inventions and discoveries in any and all
oreign countries in its or their own name or names, or in my names, at its or their election, and I
ereby assign, sell and set over to said ASSIGNEE, its successors, assigns or other legal
epresentatives, all rights of priority, including any provisional applications, in and to said
nventions and discoveries in all countries, including all applications claiming benefit of the
iling date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue
pplications.
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And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over.

And I hereby represent and war	rant that I have not granted any rights inconsistent with
the rights granted herein.	sou is
Date: July 12 , 2018	Chengy Lill
<b>V</b>	Chengxi Liu
Date: July 12, 2018	Kai Sun
Date: , 2018	
Date:, 2018	Bin Wang
Date: , 2018	
, 2010	Xin Xu

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PATENT REEL: 048402 FRAME: 0523

Arty, Docket No.: UTRF 0106 PRV

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BASED ON MOLTI-L	IMENSIONAL F	IOLOMORPHIC EMBEDDING TECHNIQUES
July 13, 2018 insertion of the application the right of said ASSIGN applications and to receive foreign countries in its or thereby assign, sell and serepresentatives, all rights inventions and discoveries	as Application on filing date and so NEE, its successore Letters Patent wheir own name or set over to said of priority, include in all countries	es Patent is to be filed or will have been filed on Serial No. 62/697907 (I hereby authorize serial number when they become known), including ors, assigns or other legal representatives to make for said inventions and discoveries in any and all names, or in my names, at its or their election, and I ASSIGNEE, its successors, assigns or other legal ading any provisional applications, in and to said, including all applications claiming benefit of the ons-in-part, divisionals, reexaminations and reissue
to execute any and all pape any and all countries and	ers, including appl to perform any a resentatives may	eirs, successors, assigns or other legal representatives ications for Letters Patent of any and all kinds and in and all acts which said ASSIGNEE, its successors, deem necessary to secure thereto the rights herein
And I hereby repretthe rights granted herein.	esent and warrant	that I have not granted any rights inconsistent with
Date:,	2018	Chengxi Liu
Date:,	2018	Kai Sun
Date: 7/12	2018	Bin Wang
Markin.	2018	

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Xin Xu

Atty. Docket No.: UTRF 0106 PRV

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For good and valuable consideration, receipt of which is hereby acknowledged, I do hereby assign, sell and set over to University of Tennessee Research Foundation, a non-profit 501(c)(3) organization having a place of business at UT Conference Center, 600 South Henley Street, Knoxville, TN 37996-4122, hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, my entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in

VOLTAGE STABILITY ASSESSMENT, CONTROL AND PROBABILISTIC POWER FLOW BASED ON MULTI-DIMENSIONAL HOLOMORPHIC EMBEDDING TECHNIQUES

for which an application for a United States Patent is to be filed or will have been filed on July 13, 2018 as Application Serial No. 62/697907 (I hereby authorize insertion of the application filing date and serial number when they become known), including the right of said ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for said inventions and discoveries in any and all foreign countries in its or their own name or names, or in my names, at its or their election, and I hereby assign, sell and set over to said ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications, in and to said inventions and discoveries in all countries, including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications.

And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over.

And I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein.

Dates	, 2018	Chengxí Liu	·
Date:		Kaí Sun	······
Date:	2018		
Date: 7/	<u>//2,2018</u>	Bin Wang  Xin Xu  Xin Xu	

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