

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5017844

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YAN SONG LI	12/20/2017
XUE HUA LU	12/21/2017
YI FEI NI	01/10/2018
YONG HUI WANG	03/10/2018
JIAN ZHOU	06/02/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SIEMENS LTD., CHINA
<b>Street Address:</b>	7, WANGJING ZHONGHUAN NANLU, CHAOYANG DISTRICT
<b>City:</b>	BEIJING
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	100102
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15506879
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)668-8200
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Email:</b>	dcmalroom@hdp.com
<b>Correspondent Name:</b>	HARNES, DICKEY & PIERCE, P.L.C.
<b>Address Line 1:</b>	P.O. BOX 8910
<b>Address Line 4:</b>	RESTON, VIRGINIA 20195
<b>ATTORNEY DOCKET NUMBER:</b>	32860-002684-US-NP
<b>NAME OF SUBMITTER:</b>	DONALD J DALEY, REG. NO. 34,313
<b>SIGNATURE:</b>	/Donald J Daley/
<b>DATE SIGNED:</b>	06/21/2018
<b>Total Attachments: 7</b>	
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## ASSIGNMENT

For good and valuable consideration, I (We),

**Yan Song Li**, residing at 10 Wei Hua West Road, Jinan, Jinan, China 250022, CN, citizen of CN

**Xue Hua Lu**, residing at Yindu Road, Lane 3151, 193/601, Shanghai, P.R.China 201108, CN,  
citizen of CN

**Yi Fei Ni**, residing at Meixu Street, Gaoxin District, Ningbo, ningbo, China 315040, CN, citizen of  
CN

**Yong Hui Wang**, residing at Caihongcheng, Binjiang District, Hangzhou, 310053, CN, citizen of  
CN

**Jian Zhou**, residing at No.10, North Road of East 4th Ring Road, Chaoyang District, Beijing,  
100016, CN, citizen of CA

hereafter individually or collectively referred to as "Assignor(s)";

Hereby, (I) acknowledge having previously assigned, sold and transferred to **Siemens Ltd., China**, a corporation organized and existing under the laws of CHINA, having its principal place of business at 7 Wangjing Zhonghuan Nanlu, Chaoyang District, 100102 Beijing, hereinafter "Assignee", its successors, assigns and legal representatives, or to a predecessor of Assignee, pursuant to (A)(i) the laws of CHINA or (ii) a Patent & Secrecy Agreement or similar legal document such as, without limitation, an employee agreement executed at the time of entering into the employment of, or executed as a condition of continuing employment with, the Assignee or a predecessor of the Assignee, the entire right, including any and all priority rights, title and interest, in and for the United States and all foreign countries, in and to any and all inventions or improvements which are disclosed in an invention disclosure and/or in the below-identified documents currently filed with this Assignment, already filed or granted for Letters Patent (in which case, any provision of the subject Assignment that is in conflict with or is in addition to any provision in the prior agreement(s) or assignment(s) then this Assignment shall govern, take precedence, and be of legal effect), or

(B)(i) to the extent such laws of CHINA or such Patent & Secrecy Agreement or similar legal document failed or fails, in whole or part, to have assigned, sold or transferred the entire right (including priority rights), title and interest, in and for the United States and all foreign countries, in and to all inventions or improvements which are disclosed in the below-identified application(s) or pending application(s) or granted Letters Patent, or (ii) if no such agreement(s) exist assigning, selling or transferring any such right (including priority rights), title or interest; then for good and valuable consideration, Assignor(s) now and hereby, effective Nunc Pro Tunc on the filing date of the below identified patent application(s), pending patent application(s) or granted Letter Patent(s), assign, sell and transfer(s) to Assignee, its successors, assigns and legal representatives, the entire right, (including all priority rights), title and interest in and for the United States and all foreign countries, in and to any and all inventions and/or improvements which are disclosed in the following identified; patent application(s), pending patent application(s) or granted Letter Patent(s)

renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the inventions and/or improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements;

(II) Agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and for vesting title to said inventions and or improvements and all applications for patents and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives; and

(III) Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

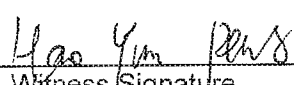
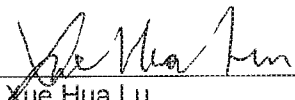
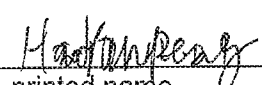
<u>Handwritten Signature</u> Witness Signature	<u>Handwritten Signature</u> Yan Song Li
<u>Handwritten Name</u> printed name	<u>Handwritten Date</u> Date
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<u>Blank</u> Witness Signature	<u>Blank</u> Xue Hua Lu
<u>Blank</u> printed name	<u>Blank</u> Date
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<u>Blank</u> Witness Signature	<u>Blank</u> Yi Fei Ni
<u>Blank</u> printed name	<u>Blank</u> Date
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renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the inventions and/or improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements;

(II) Agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and for vesting title to said inventions and or improvements and all applications for patents and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives; and

(III) Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

_____	_____
Witness Signature	Yan Song Li
_____	_____
printed name	Date

	
Witness Signature	Xue Hua Lu
	2017.12.21
printed name	Date

_____	_____
Witness Signature	Yi Fei Ni
_____	_____
printed name	Date

renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the inventions and/or improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements;

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(III) Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

_____ Witness Signature	_____ Yan Song Li
_____ printed name	_____ Date
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_____ Witness Signature	_____ Xue Hua Lu
_____ printed name	_____ Date
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_____ Witness Signature	_____ Yi Fei Ni
_____ printed name	_____ Date
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Hao Yun Peng  
Witness Signature

Wang Yong Hui  
Yong Hui Wang

Hao Yun Peng  
printed name

2018.03.12  
Date

\_\_\_\_\_  
Witness Signature

\_\_\_\_\_  
Jian Zhou

\_\_\_\_\_  
printed name

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Date

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Witness Signature

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Yong Hui Wang

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printed name

\_\_\_\_\_  
Date

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*Hao Yun Peng*  
Witness Signature

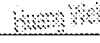
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*Zhou Jian*  
Jian Zhou

\_\_\_\_\_  
*Hao Yun Peng*  
printed name

\_\_\_\_\_  
*2018.04.02*  
Date



Companies Representative(s)  
Siemens Ltd., China

Signature(s): \_\_\_\_\_ 

Name(s): \_\_\_\_\_  

Title: \_\_\_\_\_  

Date: \_\_\_\_\_ 