503984575 08/30/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4031231

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHANGHONG ZHAO	03/03/2016
ENRIQUE MALLADA GARCIA	03/03/2016
STEVEN H. LOW	03/21/2016

RECEIVING PARTY DATA

Name:	CALIFORNIA INSTITUTE OF TECHNOLOGY
Street Address:	1200 E. CALIFORNIA BOULEVARD
Internal Address:	M/C 6-32
City:	PASADENA
State/Country:	CALIFORNIA
Postal Code:	91125

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14796869

CORRESPONDENCE DATA

Fax Number: (949)852-0004

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.

Phone: 9498520000
Email: pair@kppb.com

Correspondent Name: KPPB LLP

Address Line 1: 2400 E. KATELLA AVENUE

Address Line 2: SUITE 1050

Address Line 4: ANAHEIM, CALIFORNIA 92806

ATTORNEY DOCKET NUMBER: C9-03892

NAME OF SUBMITTER: MELISSA YEE

SIGNATURE: /Melissa Yee/

DATE SIGNED: 08/30/2016

Total Attachments: 10

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RECORDATION FORM COVER SHEET PATENTS ONLY		
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.		
Name of conveying party(ies) Changhong Zhao; Enrique Mallada Garcia; Steven H. Low	2. Name and address of receiving party(ies) Name: California Institute of Technology Internal Address: M/C 6-32	
Additional name(s) of conveying party(ies) attached? Yes No. 3. Nature of conveyance/Execution Date(s): Execution Date(s) March 3, 2016; March 3, 2016; March 21, 2016 Assignment Merger	Street Address: 1200 E. California Boulevard	
Security Agreement Change of Name Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License	City: Pasadena State: CA Country: US Zip: 91125	
Other	Additional name(s) & address(es) attached? Yes No	
4. Application or patent number(s): This A. Patent Application No.(s) 14/796,869 Additional numbers at	document serves as an Oath/Declaration (37 CFR 1.63). B. Patent No.(s) B. Patent No.(s)	
5. Name and address to whom correspondence	6. Total number of applications and patents	
concerning document should be mailed: Name: KPPB LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$	
Internal Address: Suite 1050 Street Address: 2400 E. Katella Avenue	Authorized to be charged to deposit account Enclosed	
Officer Address.	None required (government interest not affecting title)	
City: Anaheim	8. Payment Information	
State: CA Zip: 92806		
Phone Number: 949.852.0000		
Docket Number: C9-03892		
Docket Number.	Deposit Account Number	
Email Address: pair@kppb.com	Deposit Account NumberAuthorized User Name	
Email Address:pair@kppb.com	Authorized User Name	
Email Address:pair@kppb.com 9. Signature:/Jason D. Wolfe/	Authorized User NameAug. 30, 2016	

ASSIGNMENT

WHEREAS, WE, Changhong Zhao, Enrique Mallada Garcia, and Steven H. Low have made certain new and useful inventions and improvements for which an application for Letters Patent of the United States entitled Dynamic Frequency Control in Power Networks was filed July 10, 2015 and assigned Application No. 14/796,869;

WHEREAS, California Institute of Technology, a corporation organized and existing under and by virtue of the laws of the State of California, and having an office and place of business at 1200 E. California Boulevard, Mail Stop 6-32, Pasadena, CA 91125 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more

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effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

IN WITNESS WHEREOF, I have hereunto set my hand this 3rd day of March , 2016.

Changhong Zhao

1200 E. California Blvd, MC 305-16

chilo

Pasadena, CA 91125

WITNESS:

Print name_____

IN WITNESS WHEREOF, I have hereunto set my hand this day of, 2016.		2016.
	Enrique Mallada Garcia 605 N. Holliston Avenue Pasadena, CA 91106	
WITNESS:		
Print name		
***	****	
IN WITNESS WHEREOF, I have hereunto set	my hand this day of, ;	2016.
	Steven H. Low 200 Mariner Views Lane La Canada, CA 91011	
WITNESS:		
Print name		

ASSIGNMENT

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NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

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IN WITNESS WHEREOF, I have hereunto s	et my hand this day of,
	Changhong Zhao 1200 E. California Blvd, MC 305-16 Pasadena, CA 91125
WITNESS:	
Print name	

2016.

IN WITNESS WHEREOF, I have hereunto set my hand this 3'th day of 10 well, 2016.		
WITNESS: OSEFTAA JANNELLO	Enrique Maliada Garcia 605 N. Holliston Avenue Pasadena, CA 91106	611 Park Ave Apt 80 Baltimore, MD 2120

IN WITNESS WHEREOF, I have hereunto	set my hand this day of _	, 2016.
	Steven H. Low 200 Mariner Views Lane La Canada, CA 91011	······································
WITNESS:		
Print name		

ASSIGNMENT

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AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

IN WITNESS WHEREOF, I have hereunto se	et my hand this day of	_, 2016,
	Changhong Zhao 1200 E. California Blvd, MC 305-16 Pasadena, CA 91125	
WITNESS:		
Print name		

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IN WITNESS WHEREOF, I have hereunto set	my hand this 21 day of Manda, 2016.
	Enrique Mallada Garcia 605 N. Holliston Avenue Pasadena, CA 91106
WITNESS:	
Print name	
***	***
IN WITNESS WHEREOF, I have hereunto set	my hand this <u>21³</u> day of <u>Mada</u> , 2016.
	Steven Low 200 Mariner Views Lane La Canada, CA 91011
WITNESS:	
Print name <u>David J. Pailey</u>	