Form **PTO-1595** (Rev. 03-11) OMB No. 0651-0027 (exp. 04/30/2015) U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office

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| Rajit Gadh<br>Ching-Yen Chung  | Name: The Regents of the University of California        |  |  |  |  |
| Chi-Cheng Chu<br>Li Qiu  | Internal Address: A California Corporation               |  |  |  |  |
| Additional name(s) of conveying party(ies) attached? Yes X No  |  |  |  |  |  |
| 3. Nature of conveyance/Execution Date(s):   | Street Address: 1111 Franklin Street, 12th Floor         |  |  |  |  |
| Execution Date(s)9/26/13;9/26/13;9/23/13;9/26/13   |  |  |  |  |  |
| X Assignment   |  |  |  |  |  |
| Security Agreement Change of Name  | City: Oakland  |  |  |  |  |
| Joint Research Agreement   | State:California   |  |  |  |  |
| Government Interest Assignment   | State. Camornia  |  |  |  |  |
| Executive Order 9424, Confirmatory License   | Country: United States of America Zip:94607-5200         |  |  |  |  |
| Other  | Additional name(s) & address(es) attached? Yes No        |  |  |  |  |
|  | document is being filed together with a new application. |  |  |  |  |
| A. Patent Application No.(s)   | B. Patent No.(s)   |  |  |  |  |
| , atom photos (e)  | , ,  |  |  |  |  |
| 13/975,313   |  |  |  |  |  |
| Additional numbers at  | ached? Yes XNo   |  |  |  |  |
| 5. Name and address to whom correspondence   | 6. Total number of applications and patents              |  |  |  |  |
| concerning document should be mailed:  | involved: 1  |  |  |  |  |
| Name:John O'Banion   | 7. Total fee (37 CFR 1.21(h) & 3.41) \$40                |  |  |  |  |
| Internal Address:O'Banion & Ritchey LLP  | 7. Total los (67 5) 14 (1.21(h) \$ 5.11) 4 1.21          |  |  |  |  |
| Intellial Address.   | X Authorized to be charged to deposit account            |  |  |  |  |
| O  | Enclosed   |  |  |  |  |
| Street Address: 400 Capitol Mall, Suite 1550   | None required (government interest not affecting title)  |  |  |  |  |
|  | 8. Payment Information                                   |  |  |  |  |
| City: Sacramento   | i c. i ayınını imenmanen                                 |  |  |  |  |
| State: Zip: 95814  |  |  |  |  |  |
| Phone Number: (916) 498-1010   | Deposit Account Number 07-1137                           |  |  |  |  |
| Docket Number: UC-2013-146-2-LA  | ,  |  |  |  |  |
| Email Address: docketing @intellectual.com   | Authorized User Name John P. O'Banion                    |  |  |  |  |
| 9. Signature:  | 9/30/12  |  |  |  |  |
| Signature  | Date   |  |  |  |  |
| JOHN P. O'BANION   | Total number of pages including cover 5                  |  |  |  |  |
| Name of Person Signing sheet, attachments, and documents:  |  |  |  |  |  |
| Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450 |  |  |  |  |  |

### **ASSIGNMENT**

UC. Case No. UC-2013-146-2-LA

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

RAJIT GADH; CHING-YEN CHUNG; CHI-CHENG CHU; LI QIU

hereby sells, assigns and transfers to ASSIGNEE, The Regents of the University of California, a California Corporation, having its statewide administrative offices located 1111 Franklin Street, Twelfth Floor, Oakland, CA 94607-5200, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

#### POWER CONTROL APPARATUS AND METHODS FOR ELECTRIC VEHICLES

| POWERCO  | JN I ROL APPARATO   | NODELEDM CERT OF  | S FOR ELECTRIC   | FEITCEES  |  |
|--|---|---|--|---|--|
| and which is found in  |   |   |  |   |  |
| (a) U.S. patent application fil  | ed herewith and listin  | g the above named   | persons as inventor  | s   |  |
| (b) U.S. Provisional Applicat  | ion Serial No.  | , filed on  | · · · · · · · · · · · · · · · · · · ·  |   |  |
| (c) X U.S. Patent Application S  | erial No. 13/975,313,   | filed on August 24,   | , 2013 .   |   |  |
| (d) U.S. Patent No.  |   | ······································  | , issued   |   |  |
| (e) International Patent Appli   | cation Serial No.   |   | _, filed on  |   |  |
| and any legal equivalent thereof in obtained for said invention by the al USC 111(a) or substitute thereof, International Conventions for the Pr   | bove application or as<br>and any reissue, ree  | ny continuation, div<br>examination or exte   | ision, continuation  | -in-part, extension, conve  | rsion to 35  |
| ASSIGNOR(S) hereby agrees that rewould conflict with this assignment;  |   | greement or encum   | brance has been or   | will be made or entered   | into which   |
| ASSIGNOR(S) further agrees that a relating to said invention and said testify as to the same in any interfer promptly execute and deliver to ASS for, obtain, maintain, issue or enforce be necessary or desirable to carry of this assignment to insert into this assignment to the same testing that the same testing test | Letters Patent and leg<br>rence, post grant rev<br>SIGNEE or its legal re<br>e said application, sai<br>ut the purposes there<br>signment the filing date | gal equivalents as neighbor interpartes reverses and any article and said invention and said of. An attorney of the and serial number | nay be known and view, litigation, or and all papers, instrud Letters Patent and record is authorize r of said application | accessible to ASSIGNO proceeding relating theret ments or affidavits required said equivalents thereof d and requested by the example of the control of the | R and will to and will ed to apply which may recution of |
| AND the <u>ASSIGNOR(S)</u> requests the any reissue or extension thereof to the  | ne Commissioner of P<br>ne ASSIGNEE, The R  | atents and Tradema<br>Regents of the Unive  | arks to issue said Le<br>ersity of California.   | etters Patent of the United   | States and   |
| executed this  |   | Signature of  | Inventor(s)  |   |  |
| 26 day of September<br>26 day of September   | _, 2013   | RAJIT GAD   |  |   |  |
| 26 day of Septem ber   |   | CHING-YE  | y Yn Can   | <u> </u>  |  |
| day of   | , 2013  | CHI-CHENC   | G CHU  | APRIMA  |  |
| day of   |   | LI QIU  | ······································   |   |  |
|  | * • •   | _   |  |   |  |

Page 1 of 2

### **ASSIGNMENT**

UC, Case No. UC-2013-146-2-LA

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

RAJIT GADH; CHING-YEN CHUNG; CHI-CHENG CHU; LI QIU

hereby sells, assigns and transfers to ASSIGNEE, The Regents of the University of California, a California Corporation, having its statewide administrative offices located 1111 Franklin Street, Twelfth Floor, Oakland, CA 94607-5200, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

## POWER CONTROL APPARATUS AND METHODS FOR ELECTRIC VEHICLES

| and which is found in  |   |
|--|---|
| (a) U.S. patent application filed herewith and listing t   | he above named persons as inventors   |
| (b) U.S. Provisional Application Serial No   | , filed on  |
| (c) X U.S. Patent Application Serial No. 13/975,313, file  | ied on August 24, 2013  |
| (d) U.S. Patent No   | , issued  |
| (e) International Patent Application Serial No   | , filed on  |
| abtained for gaid invention by the above application of any  | uding the right to claim priority and, in and to, all Letters Patent to be continuation, division, continuation-in-part, extension, conversion to 35 unination or extension of said Letters Patent and all rights under all operty;   |
| ASSIGNOR(S) hereby agrees that no assignment, sale, agreewould conflict with this assignment;  | eement or encumbrance has been or will be made or entered into which  |
| relating to said invention and said Letters Patent and legal testify as to the same in any interference, post grant review promptly execute and deliver to ASSIGNEE or its legal repr for, obtain, maintain, issue or enforce said application, said is be necessary or desirable to carry out the purposes thereof, this assignment to insert into this assignment the filing date at | its request, be provided promptly with all pertinent facts and document lequivalents as may be known and accessible to ASSIGNOR and will we, inter partes review, litigation, or proceeding relating thereto and will resentative any and all papers, instruments or affidavits required to apply invention and said Letters Patent and said equivalents thereof which may An attorney of record is authorized and requested by the execution of and serial number of said application when officially known. |
| AND the <u>ASSIGNOR(S)</u> requests the Commissioner of Pate any reissue or extension thereof to the ASSIGNEE, The Reg   | ents and Trademarks to issue said Letters Patent of the United States and gents of the University of California.  |
| executed this  | Signature of Inventor(s)  |
| day of, 2013   | RAJIT GADH  |
| day of, 2013   | CHING-YEN CHUNG   |
| 23rd day of September 2013   | dui-chy Ch  |
| day of, 2013   | LI QIU  |

### **ASSIGNMENT**

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# POWER CONTROL APPARATUS AND METHODS FOR ELECTRIC VEHICLES

| and which is found in   |  |   |  |  |
|---|--|---|--|--|
| (a) U.S. patent applica   | ition filed herewith a   | nd listing the above named  | persons as inventors   |  |
| (b) U.S. Provisional A  | pplication Serial No.  | , filed on  | •  |  |
| (c) X U.S. Patent Applic  |  |   |  |  |
| (d) U.S. Patent No  |  |   | , issued   |  |
| (e) International Pater   |  |   |  |  |
| -1- wined for inid insention b  | y the above applicat<br>sereof, and any reis   | ion or any continuation, di-<br>sue, reexamination or ext   | vision, continuation-in-pe   | and to, all Letters Patent to be<br>art, extension, conversion to 35<br>Patent and all rights under all  |
| ASSIGNOR(S) hereby agree would conflict with this assign  | es that no assignment<br>gnment;   | t, sale, agreement or encun   | nbrance has been or will   | be made or entered into which  |
| relating to said invention an<br>testify as to the same in any<br>promptly execute and deliver<br>for, obtain, maintain, issue of<br>be necessary or desirable to<br>this assignment to insert into | d said Letters Patent<br>interference, post g<br>to ASSIGNEE or it<br>renforce said applications<br>carry out the purpose<br>this assignment the | t and legal equivalents as a rant review, inter partes re s legal representative any a ation, said invention and saites thereof. An attorney of filing date and serial number | may be known and accerview, litigation, or proceed all papers, instrument id Letters Patent and said frecord is authorized and are of said application where | pertinent facts and documents satisfied to ASSIGNOR and will be be a saffidavits required to apply equivalents thereof which may a requested by the execution of an officially known.  Patent of the United States and |
| any reissue or extension there  | eof to the ASSIGNE   | E, The Regents of the Univ  | ersity of California.  |  |
| executed this   |  | Signature of  | f Inventor(s)  |  |
| day of  |  |   | OH  y Jin Ca   | -y   |
| day of  |  | CHI-CHEN  | ссни   |  |
| 1   | ,  | ry Aro  |  |  |

Page 1 of 2

Hereby accepted on behalf of the Assignee:

By:

Name: Steven Kennedy

O'BANION & RITCHEY LLP

Page 2 of 2