

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3062709

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
FONG-LONG LIN	10/08/2014
MICHAEL RUBINO	10/08/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SMART Modular Technologies, Inc.
<b>Street Address:</b>	39870 Eureka Drive
<b>City:</b>	Newark
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94560-4809
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14512624
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)738-0881
<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>Phone:</b>	408-738-0592
<b>Email:</b>	efiling@ishimarulaw.com
<b>Correspondent Name:</b>	MIKIO ISHIMARU
<b>Address Line 1:</b>	ISHIMARU & ASSOCIATES LLP
<b>Address Line 2:</b>	2055 GATEWAY PLACE, SUITE 700
<b>Address Line 4:</b>	SAN JOSE, CALIFORNIA 95110
<b>ATTORNEY DOCKET NUMBER:</b>	63-082
<b>NAME OF SUBMITTER:</b>	MIKIO ISHIMARU
<b>SIGNATURE:</b>	/Mikio Ishimaru/
<b>DATE SIGNED:</b>	10/13/2014
<b>Total Attachments: 3</b>	
source=63-082_Assignment#page1.tif	
source=63-082_Assignment#page2.tif	
source=63-082_Assignment#page3.tif	

## ASSIGNMENT

WHEREAS, the undersigned (hereinafter termed Assignor(s)) has/have invented certain new and useful improvements in

### **DATA STORAGE SYSTEM WITH INFORMATION EXCHANGE MECHANISM AND METHOD OF OPERATION THEREOF**

for which a United States patent application has been executed on or before the date of this assignment.

WHEREAS, SMART Modular Technologies, Inc., a Corporation of the State of California, having a place of business at 39870 Eureka Drive, Newark, California, 94560-4809 (hereinafter termed Assignee), is desirous of acquiring the entire right, title and interest in and to said application and said invention and improvements thereon, and in and to Letters Patents thereon when granted in the United States and foreign countries.

NOW, THEREFORE, for good and valuable consideration received by said Assignor(s) from said Assignee(s), the receipt of which is hereby acknowledged by said Assignor(s):

1. Said Assignor(s) does hereby sell, assign, transfer and convey unto said Assignee(s), the entire right, title and interest in and to said application and said invention and in and to any and all improvements on said invention and in and to any and all improvements on said invention heretofore or hereafter made or acquired by said Assignor(s); and in and to any and all Letters Patent on said invention and/or said improvements that may be granted in the United States or any foreign country, including each and every Letters Patent granted on any application which is a division, continuation, substitution, renewal, or continuation-in-part of any said application, and in and to each and every reissue or extension of said Letters Patent.
2. Said Assignor(s) hereby covenants and agrees to cooperate with said Assignee(s) where said Assignee(s) may enjoy to the fullest extent the right, title and interest herein conveyed. Such cooperation shall include (a) prompt execution of all papers (prepared at the expense of Assignee(s)) which are deemed necessary or desirable by Assignee(s) to perfect in it the right, title and interest herein conveyed, (b) prompt execution of all petitions, oaths, specifications or other papers (prepared at the expense of Assignee(s)) which are deemed necessary or desirable by Assignee(s) for prosecuting said application, for filing and prosecuting divisional, continuation, substitution, renewal, continuation-in-part, or additional applications in the United States and/or foreign countries covering said invention and/or said improvements, for filing and prosecuting applications for reissuance of letters patent included herein, or for interference proceedings involving said invention and/or said improvements and (c) prompt assistance and cooperation in the prosecution of interference proceedings involving said invention and/or said improvements and in the adjudication of said Letters Patent, particularly by the disclosure of facts and the production of evidence relating to said invention and/or said improvements, provided the expenses which may be incurred by said Assignor(s) in lending such assistance and cooperation shall be paid by the Assignee(s).
3. The terms, covenants and conditions of this assignment shall inure to the benefit of said Assignee(s), its successors, assigns and/or other legal representatives and shall be binding upon said Assignor(s), his/her heirs, legal representatives and assigns.
4. Said Assignor(s) hereby warrants and represents that he/she has not entered into any assignment, contract or understanding in conflict herewith.

5. Said Assignor(s) hereby authorizes and requests the attorney(s) of record in this application to insert the serial number and filing date of this Non Provisional application in the spaces that follow:

Serial Number: 14/512,624 Filing Date: October 13, 2014

IN WITNESS WHEREOF, the said Assignor(s) has executed this instrument on the date of acknowledgement before the Notary Public as given below and delivered this instrument to said Assignee(s).

10/8/14  
Date

(1) Fong-Long Lin  
Fong-Long Lin

State of California  
County of Alameda } ss

On October 8, 2014 before me, Sarah Fernandez, Notary Public  
(name and title of officer)

personally appeared Fong-Long Lin, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

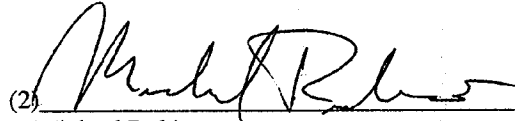
WITNESS my hand and official seal.

Signature Sarah Fernandez



IN WITNESS WHEREOF, the said Assignor(s) has executed this instrument on the date of acknowledgement before the Notary Public as given below and delivered this instrument to said Assignee(s).

10/8/2014  
Date

(2)   
Michael Rubino

State of California  
County of Alameda } ss

On October 8, 2014 before me, Sarah Fernandez, Notary Public,  
*(name and title of officer)*

personally appeared Michael Rubino, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature 