

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Sung Bok KWAK</td> <td>10/31/2011</td> </tr> <tr> <td>Yong Hyun LEE</td> <td>10/31/2011</td> </tr> <tr> <td>Toan TRAN</td> <td>10/31/2011</td> </tr> <tr> <td>Sungryol JIN</td> <td>10/31/2011</td> </tr> <tr> <td>Songtao JIN</td> <td>10/31/2011</td> </tr> </tbody> </table>		Name	Execution Date	Sung Bok KWAK	10/31/2011	Yong Hyun LEE	10/31/2011	Toan TRAN	10/31/2011	Sungryol JIN	10/31/2011	Songtao JIN	10/31/2011
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Songtao JIN	10/31/2011												
<b>RECEIVING PARTY DATA</b>													
Name:	Hana Micron America, Inc.												
Street Address:	1860 Barber Lane												
City:	Milpitas												
State/Country:	CALIFORNIA												
Postal Code:	95035												
<b>PROPERTY NUMBERS Total: 1</b>													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13286199</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13286199								
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Application Number:	13286199												
<b>CORRESPONDENCE DATA</b>													
Fax Number:	(866)899-4158												
Phone:	4083736565												
Email:	scho@inventcapture.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	Invent Capture, LLC.												
Address Line 1:	3319 Foxtail Terrace												
Address Line 4:	Fremont, CALIFORNIA 94536												
ATTORNEY DOCKET NUMBER:	IC 10336A												
NAME OF SUBMITTER:	Samuel CHO												
Total Attachments: 3 source=EPAS_As_Filed#page1.tif source=EPAS_As_Filed#page2.tif source=EPAS_As_Filed#page3.tif													

OP \$40.00 13286199

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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Sung Bok KWAK, Yong Hyun LEE, Toan TRAN, Sungryol JIN, Songtao JIN

Application No./Patent No.: 13 / 286199 Filed/Issue Date: October 31, 2011

Titled: Early Alert System and Method for Livestock Disease Detection Powered by Hybrid Alternative Energy Sources

Hana Micron America Inc., a corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- 1.  the assignee of the entire right, title, and interest in;
- 2.  an assignee of less than the entire right, title, and interest in  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %); or
- 3.  the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

the patent application/patent identified above, by virtue of either:

A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy therefore is attached.

OR

B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet(s).

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/Samuel CHO/  
Signature

October 31, 2011  
Date

Samuel CHO  
Printed or Typed Name

US Patent Agent of Record  
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**PATENT**  
**REEL: 027151 FRAME: 0364**

invent capture

October 31, 2011

Dear USPTO Assignment Services Branch (Public Records Division),

This document shall serve as a “supporting documentation” for formal recordation of patent application assignment from five co-inventors of record, Sung Bok KWAK, Yong Hyun LEE, Toan TRAN, Sungryol JIN, and Songtao JIN to Hana Micron America Inc. in Milpitas, California for a US utility patent application (US 13 / 286,199) filed on October 31, 2011.

The Patent Agent of Record for Hana Micron America Inc., Samuel Cho, has completed and signed Statement Under 37 CFR 3.73(b) on October 31, 2011 to transfer the entire right, title, and interest of the newly-filed US utility patent application from the five co-inventors of record, Sung Bok KWAK, Yong Hyun LEE, Toan TRAN, Sungryol JIN, and Songtao JIN, to Hana Micron America Inc.

Invent Capture LLC, which is associated with the Patent Agent of Record, has the Power of Attorney to represent Hana Micron America Inc. for prosecution of patent applications before the US Patent and Trademark Office. Invent Capture’s PTO Customer Number is 71074.

If you have any further questions or concerns, please feel free to contact Invent Capture, LLC (PTO Customer Number 71074) at any time.

Thank you.

Sincerely,

/Samuel Cho/

Invent Capture, LLC.

**POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO**

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

Practitioners associated with the Customer Number:

71074

OR

Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:



The address associated with Customer Number:

71074

OR

<input type="checkbox"/> Firm or Individual Name			
Address			
City	State	Zip	
Country			
Telephone	Email		

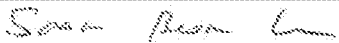
Assignee Name and Address:

Hana Micron America Inc.  
1860 Barber Lane  
Milpitas, CA 95035, USA

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

**SIGNATURE of Assignee of Record**

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	June 20, 2011
Name	Soon Beom Lee	Telephone	408-649-2200
Title	President, Hana Micron America Inc.		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.