

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT												
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Assignee previously recorded on Reel 028228 Frame 0314. Assignor(s) hereby confirms the Assignment.												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hyunook KIM</td> <td>05/15/2012</td> </tr> <tr> <td>Young Min HONG</td> <td>05/15/2012</td> </tr> <tr> <td>Jun Kuk KANG</td> <td>05/15/2012</td> </tr> <tr> <td>Dong Chul KANG</td> <td>05/15/2012</td> </tr> <tr> <td>Chang Yong OH</td> <td>05/15/2012</td> </tr> </tbody> </table>		Name	Execution Date	Hyunook KIM	05/15/2012	Young Min HONG	05/15/2012	Jun Kuk KANG	05/15/2012	Dong Chul KANG	05/15/2012	Chang Yong OH	05/15/2012
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>NDS Corporation</td> </tr> <tr> <td>Street Address:</td> <td>370-1, Sindaebang-dong, Dongjak-gu</td> </tr> <tr> <td>City:</td> <td>Seoul-City</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>156-709</td> </tr> </table>		Name:	NDS Corporation	Street Address:	370-1, Sindaebang-dong, Dongjak-gu	City:	Seoul-City	State/Country:	KOREA, REPUBLIC OF	Postal Code:	156-709		
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<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13510490</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13510490								
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Application Number:	13510490												
CORRESPONDENCE DATA													
Fax Number:	(860)286-0115												
Email:	USPTOPatentMail@CantorColburn.com												
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.													

OP \$40.00 13510490

<b>Correspondent Name:</b>	Cantor Colburn LLP
<b>Address Line 1:</b>	20 Church Street, 22nd Floor
<b>Address Line 4:</b>	Hartford, CONNECTICUT 06103

<b>ATTORNEY DOCKET NUMBER:</b>	MPO0031US
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<b>NAME OF SUBMITTER:</b>	Jaegyoo Jang
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<b>Total Attachments: 4</b> source=Coversheet_Assignment#page1.tif source=Coversheet_Assignment#page2.tif source=Coversheet_Assignment#page3.tif source=Coversheet_Assignment#page4.tif
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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.

**1. Name of conveying party(ies)**

Hyunook KIM; Young Min HONG; Jun Kuk KANG; Dong Chul KANG;  
Chang Yong OH

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) May 15, 2012

- ☐ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☒ Other Corrective Assignment

**2. Name and address of receiving party(ies)**

Name: NDS Corporation

Internal Address: \_\_\_\_\_

Street Address: 370-1, Sindaebang-dong, Dongjak-qu

City: Seoul-City

State: \_\_\_\_\_

Country: Republic of Korea Zip: 156-709

Additional name(s) & address(es) attached? ☒ Yes ☐ No

**4. Application or patent number(s):**

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

13/510,490

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Cantor Colburn, LLP

Internal Address: \_\_\_\_\_

Street Address: 20 Church Street, 22nd Floor

City: Hartford

State: CT Zip: 06103

Phone Number: 860-286-2929

Fax Number: 860-286-0115

Email Address: skim@cantorcolburn.com

**6. Total number of applications and patents involved: 1**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$40**

- ☐ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

/Jaegyo Jang/  
Signature

06/12/2012  
Date

Jaegyo Jang  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

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**2. Name and address of receiving party(ies)**

Name: Hyunook KIM

Internal Address: \_\_\_\_\_

Street Address: 7-202, Jangmi Apt., Sincheon-dong 7

Songpa-gu

City: Seoul-City

State: \_\_\_\_\_

Country: Republic of Korea

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## ASSIGNMENT

WHEREAS WE, **Hyunook KIM** of 7-202, Jangmi Apt., Sincheon-dong 7, Songpa-gu, Seoul-City, 130-020, Republic of Korea; **Young Min HONG** of 613-305, Hanguk Apt., Singok 1-dong, Uijeongbu-City, Gyeonggi-do, 480-737, Republic of Korea; **Jun Kuk KANG** of 122-304, Hwaseong Apt., Geumjeong-dong, Gunpo-City, Gyeonggi-do, 435-050, Republic of Korea; **Dong Chul KANG** of 1586-6, Burim-dong, Dongan-gu, Anyang-City, Gyeonggi-do, 431-814, Republic of Korea; and **Chang Yong OH** of #502, 391-273, Daebang-dong, Dongjak-gu, Seoul-City, 156-810, Republic of Korea (hereinafter collectively referred to as the "ASSIGNORS"), have invented certain new and useful improvements in:

### **WATER-QUALITY MEASUREMENT SYSTEM USING A SMARTPHONE**

(hereinafter referred to as the "INVENTION") which claims priority to Korean Application No. 10-2010-0035776 filed on April 19, 2010 and Korean Application No. 10-2010-0060977 filed on June 28, 2010; and for which we are about to file an application for a United States Patent

(hereinafter collectively referred to as the "APPLICATIONS");

*CYO 6/12/12 NDS Corporation HK 6/12/12, YMH 6/12/12, J/K 6/12/12, DCK 6/12/12*  
AND WHEREAS, ~~Nongshim Data System~~, a corporation organized and existing under the laws of the Country of Republic of Korea, having a place of business at 370-1, Sindaebang-dong, Dongjak-gu, Seoul-City 156-709, Republic of Korea; and **Hyunook KIM** an individual, having a place of residence at 7-202, Jangmi Apt., Sincheon-dong 7, Songpa-gu, Seoul-City, 130-020, Republic of Korea (hereinafter referred to as "ASSIGNEES"), are desirous of acquiring an interest in any and all countries, in and to the INVENTION, the APPLICATIONS, and any and all Patents to be obtained therefore;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, we, the ASSIGNORS, have assigned and transferred, and hereby assign and transfer unto ASSIGNEES, the entire right, title and interest in and to the INVENTION, the APPLICATIONS, and any and all Patents that may be issued therefrom, in any and all countries, including any and all revivals, refilings, continuations, continuations-in-part, divisions and reissues thereof, to ASSIGNEES; and we do hereby agree that

we will execute all papers necessary in connection with any and all patent applications when called upon to do so by ASSIGNEES, their successors or assigns, and that we will, at the cost and expense of ASSIGNEES, fully assist and cooperate in all matters in connection with any and all patent applications and Patents issuing thereon.

The undersigned declare that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the APPLICATIONS or any Patents issuing thereon.

Date: May 15, 2012

김현옥 L.S.  
Hyunook KIM

Date: May 15. 2012

홍영민 L.S.  
Young Min HONG

Date: May 15. 2012

강권국 L.S.  
Jun Kuk KANG

Date: May 15. 2012

강동철 L.S.  
Dong Chul KANG

Date: May 15. 2012

오창용 L.S.  
Chang Yong OH