

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT5214371

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NAM KYU PARK	10/23/2018
JAE MO GOH	10/22/2018
JIN PYO KIM	10/22/2018
YOUNG IL SEO	10/23/2018
EUN AH JOO	10/22/2018
JE HYUN LEE	10/23/2018
SANG YOON LEE	10/22/2018
DONG A LIM	10/22/2018
KI HWAN KIM	10/23/2018
RECEIVING PARTY DATA	
Name:	REPUBLIC OF KOREA (NATIONAL FORENSIC SERVICE DIRECTOR MINISTRY OF PUBLIC ADMINISTRATION AND SECURITY)
Street Address:	139, JIYANG-RO, YANGCHEON-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	08036
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16175646
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Email:	REQUEST@SLWIP.COM
Correspondent Name:	SCHWEGMAN LUNDBERG & WOESSNER, P.A.
Address Line 1:	PO BOX 2938
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	4733.010US1
NAME OF SUBMITTER:	JONATHAN FERGUSON

SIGNATURE:	/JONATHAN FERGUSON/
DATE SIGNED:	10/30/2018
Total Attachments: 11 source=4733-010US1_ASSIGNMENT_FILED_2018-10-30#page1.tif source=4733-010US1_ASSIGNMENT_FILED_2018-10-30#page2.tif source=4733-010US1_ASSIGNMENT_FILED_2018-10-30#page3.tif source=4733-010US1_ASSIGNMENT_FILED_2018-10-30#page4.tif source=4733-010US1_ASSIGNMENT_FILED_2018-10-30#page5.tif source=4733-010US1_ASSIGNMENT_FILED_2018-10-30#page6.tif source=4733-010US1_ASSIGNMENT_FILED_2018-10-30#page7.tif source=4733-010US1_ASSIGNMENT_FILED_2018-10-30#page8.tif source=4733-010US1_ASSIGNMENT_FILED_2018-10-30#page9.tif source=4733-010US1_ASSIGNMENT_FILED_2018-10-30#page10.tif source=4733-010US1_ASSIGNMENT_FILED_2018-10-30#page11.tif	

ASSIGNMENT

WHEREAS, Nam Kyu Park, Jae Mo Goh, Jin Pyo Kim, Young Il Seo, Eun Ah Joo, Je Hyun Lee, Sang Yoon Lee, Dong A Lim and Ki Hwan Kim (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention"); as described in the U.S. patent application filed on October 30, 2018, assigned U.S. application number 16/175,646, and titled ELECTRONIC DEVICE AND METHOD OF CALCULATING FORMATION TIME OF PERIMETER STAIN; and as described in a patent application filed on May 29, 2018 assigned Korean application number 10-2018-0061283.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to Republic of Korea (National Forensic Service Director Ministry of Public Administration and Security) (the "Assignee"), having a place of business at 139, Jiyang-ro, Yangcheon-gu, Seoul 08036, Republic of Korea, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such Invention to the Assignee;

Assignment

Assignors: Nam Kyu Park et al.

Title: ELECTRONIC DEVICE AND METHOD OF CALCULATING FORMATION TIME OF PERIMETER STAIN

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Docket No. 4733.010US1

Client Ref. No. GN-56998-AJS

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 21186 may (directly or through his/her designee) delete, insert, or alter any information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

Assignment

Assignors: Nam Kyu Park et al.

Docket No. 4733 010US1

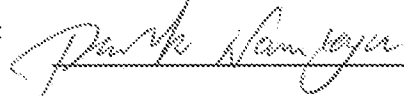
Client Ref. No. GN-56998-116

Title: ELECTRONIC DEVICE AND METHOD OF CALCULATING FORMATION TIME OF PERIMETER STAIN

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Assignor:

(Signature):



Name: Nam Kyu Park

City/State: Bucheon-si, Gyeonggi-do, Republic of Korea

Date:

10.33.2018

Assignment

Assignors: Nam Kyu Park et al

Docket No: 4733-010031

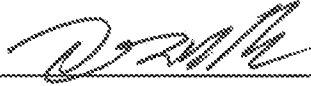
Client Ref. No. GN-56998-US

Title: ELECTRONIC DEVICE AND METHOD OF CALCULATING FORMATION TIME OF PERIMETER STAIN

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Assignor:

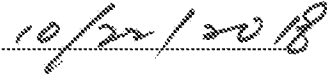
(Signature):



Name: Jae Mo Goh

City/State: Wonju-si, Gangwon-do, Republic of Korea

Date:



Assignment

Assignor: Nam Kyu Park et al.

Title: ELECTRONIC DEVICE AND METHOD OF CALCULATING FORMATION TIME OF PERIMETER STAIN

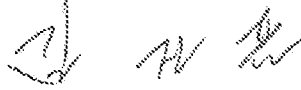
Page 5 of 11

Docket No: 4733-010US1

Chem Ref No: 016-56998-106

Assignor:

(Signature):



Name: Jin Pyo Kim

City/State: Yuseong-gu, Daejeon, Republic of Korea

Date:

22. 04. 2018

Assignment

Assignors: Nam Kyu Park et al.

Docket No: 4733,910US1

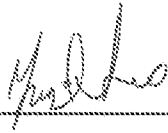
Client Ref. No. GN-56998-US

Title: ELECTRONIC DEVICE AND METHOD OF CALCULATING FORMATION TIME OF PERIMETER STAIN

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Assignor:

(Signature):



Name: Young Il Seo

City/State: Wonju-si, Gangwon-do, Republic of Korea

Date:

Oct. 23, 2018

Assignment

Assignors: Nam Kyu Park et al

Title: ELECTRONIC DEVICE AND METHOD OF CALCULATING FORMATION TIME OF PERIMETER STAIN

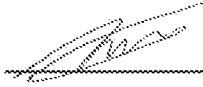
Page 7 of 11

Docket No: 4733 010US1

Client Ref. No. GN-56998-118

Assignor:

(Signature):



Name: Eun Ah Joo

City/State: Yongin-si, Gyeonggi-do, Republic of Korea

Date:

10.22.2018

Assignment

Assignors: Nam Kyu Park et al.

Docket No: 4733-010US1

Client Ref. No: GN-56998-US

Title: ELECTRONIC DEVICE AND METHOD OF CALCULATING FORMATION TIME OF PERIMETER STAIN

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Assignor:

(Signature):

Lee, Jehyun

Name: Je Hyun Lee

City/State: Wonju-si, Gangwon-do, Republic of Korea

Date:

10.29.2018

Assignment

Assignors: Nam Kyu Park et al.


Docket No. 4733.01GUS1
Client Ref. No. GN-36993-US

Title: ELECTRONIC DEVICE AND METHOD OF CALCULATING FORMATION TIME OF PERIMETER STAIN

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Assignor:

(Signature):



Name: Sang Yoon Lee

City/State: Siheung-si, Gyeonggi-do, Republic of Korea

Date:

2018. 10. 22

Assignment

Assignors: Nam Kyu Park et al.

Docket No. 4733.016US1

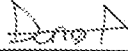
Chem Ref. No. GN-56998-03

Title: ELECTRONIC DEVICE AND METHOD OF CALCULATING FORMATION TIME OF PERIMETER STAIN

Page 10 of 11

Assignor:

(Signature):



Name: Dong A Lim

City/State: Yuseong-gu, Daejeon, Republic of Korea

Date:

2018.10.22

Assignment

Assignors: Nam Kyu Park et al.

Docket No: 4733,0100031

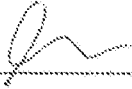
Client Ref. No. 001-56998-110

Title: ELECTRONIC DEVICE AND METHOD OF CALCULATING FORMATION TIME OF PERIMETER STAIN

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Assignor:

(Signature):



Name: Ki Hwan Kim

City/State: Yongin-si, Gyeonggi-do, Republic of Korea

Date:

2018. 10. 23