

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5914101

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SEONYOUNG JEGAL	11/06/2019
DAE HUN KIM	11/06/2019
BYOUNG HYOUN KIM	11/06/2019
YEU YOUNG YOUN	11/14/2019
KYOUNGJOO JIN	11/14/2019
JUN WON CHOI	11/06/2019
SU YOUN HAN	11/06/2019
RECEIVING PARTY DATA	
Name:	LG CHEM, LTD.
Street Address:	128, YEOUI-DAERO
Internal Address:	YEONGDEUNGPO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	07336
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16631341
CORRESPONDENCE DATA	
Fax Number:	(908)654-0415
<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>	
Phone:	(908) 518-6356
Email:	assignment@lernerdavid.com
Correspondent Name:	LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP
Address Line 1:	20 COMMERCE DRIVE
Address Line 4:	CRANFORD, NEW JERSEY 07016
ATTORNEY DOCKET NUMBER:	LGCHEM 3.3F-2398
NAME OF SUBMITTER:	KATHLEEN REYNOLDS
SIGNATURE:	/Kathleen Reynolds/

DATE SIGNED:	01/16/2020
Total Attachments: 6 source=Executed Declaration_Assignment#page1.tif source=Executed Declaration_Assignment#page2.tif source=Executed Declaration_Assignment#page3.tif source=Executed Declaration_Assignment#page4.tif source=Executed Declaration_Assignment#page5.tif source=Executed Declaration_Assignment#page6.tif	

**DECLARATION AND ASSIGNMENT FOR
UTILITY OR DESIGN APPLICATIONS**

Attorney Docket Number: LGCHEM 3.3F-2398

Title of Invention Micro Device for Solid Phase Extraction

As the below named inventor(s) (hereinafter designated as the undersigned), I/We hereby declare that:

This declaration
is directed to:☐ The attached application, or☒ United States application or PCT international application number PCT/KR2018/012002filed on October 12, 2018

The above-identified application was made or authorized to be made by me/us.

I/We believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I/We hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001
by fine or imprisonment of not more than five (5) years, or both.WHEREAS, the undersigned as a sole inventor (if only one name is listed below) or as a joint inventor (if plural names are
listed below) has invented certain new and useful improvements in the application identified above.AND, WHEREAS LG Chem, Ltd., (hereinafter referred to as assignee), a corporation of Korea whose mailing address is
128, Yeoui-daero, Yeongdeungpo-gu; Seoul; REPUBLIC OF KOREA 07336 is desirous of acquiring the entire right, title and
interest in the same.

NOW, THEREFORE, in consideration of the sum of one dollar, the receipt whereof is acknowledged, and other good and
valuable consideration, the undersigned hereby sell(s), assign(s) and set(s) over to said assignee my/our entire right, title
and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent
application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted
therefor in the United States of America and all other countries, for said invention, including without limitation all applications
and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and
including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use
and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and
the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements
or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me/us and
my/our legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and
deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all
assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known
to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal
proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful
oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent
protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said
assignee.

WARNING:According to 37 C.F.R. § 1.63(c), "[a] person may not execute an oath or declaration unless the person has reviewed and understands the
contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be
material to patentability as defined in §1.56."**FULL NAME OF INVENTOR(S)**Inventor one: Seonyoung Jegal

Date: _____

Signature: _____

☐ Additional inventors or a legal representative are being named on _____ additional form(s) attached hereto.**PLEASE SEE THE WARNINGS ON THE LAST PAGE OF THIS FORM.**

DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATIONS	ADDITIONAL INVENTOR(S) Supplemental Sheet
Inventor two: <u>Dae Hun Kim</u> Signature: _____	Date: _____
Inventor three: <u>Byoung Hyoun Kim</u> Signature: _____	Date: _____
Inventor four: <u>Yeu Young Youn</u> Signature: _____	Date: <u>2019/11/14</u>
Inventor five: <u>Kyoungjoon Jin</u> Signature: _____	Date: <u>2019/11/14</u>
Inventor six: <u>Jun Won Choi</u> Signature: _____	Date: _____
Inventor seven: <u>Su Youn Han</u> Signature: _____	Date: _____
Inventor eight: _____ Signature: _____	Date: _____
Inventor nine: _____ Signature: _____	Date: _____
Inventor ten: _____ Signature: _____	Date: _____
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**DECLARATION AND ASSIGNMENT FOR
UTILITY OR DESIGN APPLICATIONS**

Attorney Docket Number: LGCHEM 3.3F-2398

Title of Invention Micro Device for Solid Phase Extraction

As the below named inventor(s) (hereinafter designated as the undersigned), I/We hereby declare that:

This declaration
is directed to:☐ The attached application, or☒ United States application or PCT international application number PCT/KR2018/012002filed on October 12, 2018

The above-identified application was made or authorized to be made by me/us.

I/We believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I/We hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, the undersigned as a sole inventor (if only one name is listed below) or as a joint inventor (if plural names are listed below) has invented certain new and useful improvements in the application identified above.

AND, WHEREAS LG Chem, Ltd., (hereinafter referred to as assignee), a corporation of Korea whose mailing address is 128, Yeou-daero, Yeongdeungpo-gu, Seoul; REPUBLIC OF KOREA 07336 is desirous of acquiring the entire right, title and interest in the same.

NOW, THEREFORE, in consideration of the sum of one dollar, the receipt whereof is acknowledged, and other good and valuable consideration, the undersigned hereby sell(s), assign(s) and set(s) over to said assignee my/our entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me/us and my/our legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

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According to 37 C.F.R. § 1.63(c), "[a] person may not execute an oath or declaration unless the person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in §1.56."

FULL NAME OF INVENTOR(S)Inventor one: Seonyoung JegalDate: 2019. 11. 6Signature: 지정영☐ Additional inventors or a legal representative are being named on _____ additional form(s) attached hereto.**PLEASE SEE THE WARNINGS ON THE LAST PAGE OF THIS FORM.**

DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATIONS	ADDITIONAL INVENTOR(S) Supplemental Sheet
Inventor two: <u>Dae Hun Kim</u> Signature: <u>Kim Dae Hun</u>	Date: <u>2019. 11. 06</u>
Inventor three: <u>Byoung Hyoun Kim</u> Signature: _____	Date: _____
Inventor four: <u>Yeu Young Youn</u> Signature: _____	Date: _____
Inventor five: <u>Kyoungjoo Jin</u> Signature: _____	Date: _____
Inventor six: <u>Jun Won Choi</u> Signature: <u>최준원</u>	Date: <u>2019 / 11 / 06</u>
Inventor seven: <u>Su Youn Han</u> Signature: _____	Date: _____
Inventor eight: _____ Signature: _____	Date: _____
Inventor nine: _____ Signature: _____	Date: _____
Inventor ten: _____ Signature: _____	Date: _____
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UTILITY OR DESIGN APPLICATIONS**

Attorney Docket Number: LGCHEM 3.3F-2398

Title of Invention Micro Device for Solid Phase Extraction

As the below named inventor(s) (hereinafter designated as the undersigned), I/We hereby declare that:

This declaration
is directed to:

- ☐ The attached application, or
- ☒ United States application or PCT international application number PCT/KR2018/012002
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The above-identified application was made or authorized to be made by me/us.

I/We believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I/We hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

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FULL NAME OF INVENTOR(S)Inventor one: Seonyoung Jegal Date: 2019. 11. 6Signature: 제갈선영☐ Additional inventors or a legal representative are being named on _____ additional form(s) attached hereto.**PLEASE SEE THE WARNINGS ON THE LAST PAGE OF THIS FORM.**

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Inventor four: <u>Yeu Young Youn</u> Signature: _____	Date: _____
Inventor five: <u>Kyoungjoo Jin</u> Signature: _____	Date: _____
Inventor six: <u>Jun Won Choi</u> Signature: _____	Date: _____
Inventor seven: <u>Su Youn Han</u> Signature: <u>Han</u>	Date: <u>2019. 11. 06</u>
Inventor eight: _____ Signature: _____	Date: _____
Inventor nine: _____ Signature: _____	Date: _____
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