## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4893110

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
SOO JIN LEE	01/30/2018
SANG GI LEE	02/02/2018
HYE MI NAM	02/02/2018
MIN HO HWANG	02/02/2018
CHANG SUN HAN	02/02/2018

### **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:	15752436

## **CORRESPONDENCE DATA**

Fax Number: (908)654-7866

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.

Phone: (908) 518-6320

Email: assignment@lernerdavid.com

LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP **Correspondent Name:** 

Address Line 1: 600 SOUTH AVENUE WEST

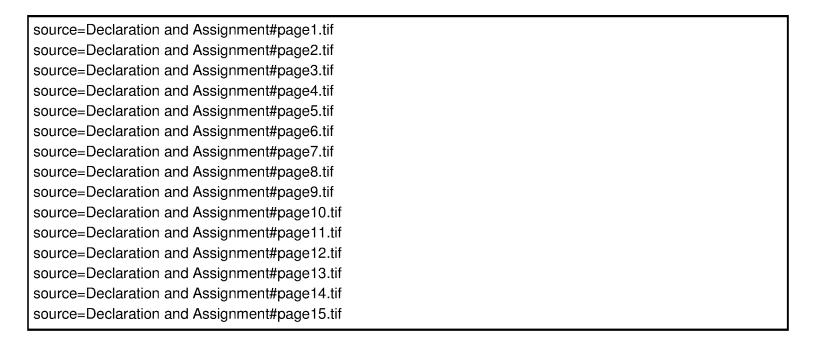
Address Line 4: WESTFIELD, NEW JERSEY 07090

ATTORNEY DOCKET NUMBER:	LGCHEM 3.3F-1310
NAME OF SUBMITTER:	KATHLEEN REYNOLDS
SIGNATURE:	/Kathleen Reynolds/
DATE SIGNED:	03/30/2018

**Total Attachments: 15** 

**PATENT** REEL: 045397 FRAME: 0844

504846373



PATENT REEL: 045397 FRAME: 0845

## COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM<sup>1</sup>

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application.

WHEREAS,	the undersigned, hereinafter r	eferred to calle	ctively a	s Assignor, has inven	ted:
TITLE	SUPERABSORBENT THEREOF	POLYMER	AND	PREPARATION	METHOD
for which A	ssignor is about to make or ha	s made United !	States o	International applic	ation for patent.
WHEREAS,	as a below named inventor(	s), l/(we) herel	oy decla	ire that:	
Section I. (	Declaration				
This declar	ation is directed to:				
	The attached U.S. non-pro	visional patent	applicat	ion, er	
	U.S. non-provisional patent		mber		, filed on
<b>***</b>	PCT international patent application number <a href="PCT/KR2017/003967">PCT/KR2017/003967</a> , filed on <a href="April 12">April 12</a> , <a href="2017">2017</a> .		d on <u>April 12.</u>		
The above-	identified application was mad	e or authorized	to be m	rade by me (us).	
	ve that I am (we are) the origin identified application.	al inventor (ori	ginal joi	nt inventors) of a clai	imed invention in

LG CHEM Ref No. P2016-1496PCUS (Portfolio: SAP)

1 This form requires the use of an Application Data Sheet.

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COMBINED DECLARATION (37 CER 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM Page 1 of 5

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.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

### Section II. Assignment

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned hereby sell(s) and assign(s) to

### LG CHEM, LTD.

having an address at 128, Yeoui-daero, Yeongdeungpo-gu, Seoui 07336, Republic of Korea (hereinafter designated as the Assignee(s)), the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in Section I of this document.

Assignor hereby confirms any prior assignment to Assignee(s), and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee(s) and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee(s) to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of

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the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee(s) without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee(s), and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee(s).

The undersigned hereby grant(s) the law firm of LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTUK, LLP the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

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Attorney Ref No.

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM:
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# Section III. Inventor(s)/Assignor(s) Signature(s)

LEGAL NAME OF FIRST INVENTOR/ASSIGNOR	Full Name
	Soo Jin LEE
SIGNATURE	Songra DATE 1/30/2018
LEGAL NAME OF	Full Name
SECOND INVENTOR/ASSIGNOR	Sang Gi LEE
SIGNATURE	DATE
LEGAL NAME OF	Full Name
THIRD INVENTOR/ASSIGNOR	Hye Mi NAM
Signature	DATE

LG CHEM Ref No. P2016-1496PCUS (Portfolio: SAP)

Attorney Ref No.

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LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	Full Name	
	Min Ho HWANG	
SIGNATURE	DATE	
LEGAL NAME OF	Full Name	
FIFTH INVENTOR/ASSIGNOR	Chang Sun HAN	
SIGNATURE	ChayCus for 2-FEB-2018	

# COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM<sup>1</sup>

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application.

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

SUPERABSORBENT POLYMER AND PREPARATION METHOD TITLE: THEREOF for which Assignor is about to make or has made United States or International application for patent. WHEREAS, as a below named inventor(s), I/(we) hereby declare that: Section I. Declaration This declaration is directed to: The attached U.S. non-provisional patent application, or U.S. non-provisional patent application number \_\_\_\_\_\_\_, filed on PCT international patent application number PCT/KR2017/003967, filed on April 12, <u> 2017.</u> The above-identified application was made or authorized to be made by me (us). I (we) believe that I am (we are) the original inventor (original joint inventors) of a claimed invention in

LG CHEM Ref No. <u>P2016-1496PCUS (Portfolio: SAP)</u>

the above-identified application.

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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.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

### Section II. Assignment

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned hereby sell(s) and assign(s) to

#### LG CHEM, LTD.

having an address at 128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336, Republic of Korea (hereinafter designated as the Assignee(s)), the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in Section I of this document.

Assignor hereby confirms any prior assignment to Assignee(s), and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee(s) and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee(s) to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of

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the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee(s) without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee(s), and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee(s).

The undersigned hereby grant(s) the law firm of LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

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Attorney Ref No.

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND
ASSIGNMENT FORM
Page 3 of 5

# Section III. Inventor(s)/Assignor(s) Signature(s)

LEGAL NAME OF	Full Name	
FIRST INVENTOR/ASSIGNOR	Soo Jin LEE	
SIGNATURE	DATE	
LEGAL NAME OF SECOND	Full Name	
INVENTOR/ASSIGNOR	Sang Gi LEE	
SIGNATURE	of um DATE 2018.2.2	
LEGAL NAME OF	Full Name	
THIRD INVENTOR/ASSIGNOR	Hye Mi NAM	
SIGNATURE	ルが11日 DATE 2018.2.2	

LG CHEM Ref No. P2016-1496PCUS (Portfolio: SAP)

Attorney Ref No.

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LEGAL NAME OF	Full Name
FOURTH INVENTOR/ASSIGNOR	Min Ho HWANG
SIGNATURE	DATE
LEGAL NAME OF	Full Name
LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	Full Name Chang Sun HAN
FIFTH	

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Attorney Ref No.

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WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

TITLE:	SUPERABSORBENT POLYMER AND PREPARATION METHOD THEREOF			
for which Assi	ignor is about to make or has made United States or International application for patent.			
WHEREAS, as a below named inventor(s), I/(we) hereby declare that:				
Section I. Declaration				
This declaration	on is directed to:			
	The attached U.S. non-provisional patent application, or			
	U.S. non-provisional patent application number, filed on, or			
<b>=</b> .	PCT international patent application number PCT/KR2017/003967, filed on April 12, 2017.			
The above-ide	entified application was made or authorized to be made by me (us).			
I (we) believe	that I am (we are) the original inventor (original joint inventors) of a claimed invention in			

I (we) hereby acknowledge that any willful false statement made in this declaration is punishable

1 This form requires the use of an Application Data Sheet.

the above-identified application.

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Attorney Ref No.

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under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

## Section II. Assignment

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having an address at 128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336, Republic of Korea (hereinafter designated as the Assignee(s)), the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in Section I of this document.

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Page 2 of 5

the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee(s) without further or other compensation than that above set forth;

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COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM
Page 3 of 5

# Section III. Inventor(s)/Assignor(s) Signature(s)

FIRST	Full Name Soo Jin LEE
SIGNATURE	DATE
LEGAL NAME OF SECOND	Full Name
INVENTOR/ASSIGNOR	Sang Gi LEE
SIGNATURE	DATE
LEGAL NAME OF	Full Name
THIRD INVENTOR/ASSIGNOR	Hye Mi NAM
SIGNATURE	DATE

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Attorney Ref No.

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LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	Full Name	
	Min Ho HWANG	
SIGNATURE	DATE 2016. 2. 1	

LEGAL NAME OF	Full Name	
INVENTOR/ASSIGNOR	Chang Sun HAN	
SIGNATURE		

LG CHEM Ref No. P2016-1496PCUS (Portfolio: SAP)

**RECORDED: 03/30/2018** 

Attorney Ref No.

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM
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