503659333 01/21/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3705967

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOUNGSOO KIM	01/14/2016
JUNG-HWAN YOON	01/14/2016
HYUNSOO KIM	01/14/2016
KYUNGGON KIM	01/13/2016
JONGHWA JIN	01/14/2016

RECEIVING PARTY DATA

Name:	SEOUL NATIONAL UNIVERSITY R&DB FOUNDATION
Street Address:	(SILLIM-DONG) 1, GWANAK-RO, GWANAK-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	08826

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14906799

CORRESPONDENCE DATA

Fax Number: (202)533-9187

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: (202) 467-8800 Email: patlaw@vorys.com

Correspondent Name: VORYS, SATER, SEYMOUR AND PEASE LLP

Address Line 1: 1909 K ST., NW Address Line 2: 9TH FLOOR

Address Line 4: WASHINGTON, D.C. 20006-1152

ATTORNEY DOCKET NUMBER:	068835.000034
NAME OF SUBMITTER:	MIHSUN KOH
SIGNATURE:	/Mihsun Koh/
DATE SIGNED:	01/21/2016

Total Attachments: 10

PATENT REEL: 037551 FRAME: 0716

503659333



Vorys, Sater, Seymour and Pease LLP Legal Counsel

202,467.8800 | www.vorys.com

Founded 1989

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, I (WE): Youngsoo KIM Junghwan YOON Hyunsoo KIM Kyunggon KIM Jonghwa JIN

respectively, have invented certain new and useful improvements in:

METHOD FOR DIAGNOSING CANCER THROUGH DETECTION OF
DEGLYCOSYLATION OF GLYCOPROTEIN

(Application No. _______, filed _______), and
WHEREAS,
SEOUL NATIONAL UNIVERSITY R&DB FOUNDATION

hereinafter referred to as the "ASSIGNEE") having a place of business at: (Sillim-dong) 1, Gwanak-ro, Gwanak-gu, Seoul 08826, REPUBLIC OF KOREA

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Columbus | Washington | Claveland | Cincinnati | Akron (Houston) Pittsburgh



Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Vorys, Sater, Seymour and Pease, L.L.P. of 1909 K Street, NW, Ninth Floor, Washington, D.C. 20006 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

By:	Youngsoo Kim	Jan 14, 201.
* *************************************	me: <u>Youngsoo KIM</u>	Date
By:	me: Junghwan YOON	Date .
urvantur o iva		water _i
Ву:	me: <u>Hyunsoo KIM</u>	
inventor's Na	me: <u>Hyunsoo KIM</u>	Date :
Ву:		
Inventor's Na	me: Kyunggon KIM	Date :
Ву:		
inventor's Na	me: <u>Jonghwa JIN</u>	Date



202.467.8800 | www.vorys.com

Founded 1989

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, I (WE): Youngsoo KIM Junghwan YOON Hyunsoo KIM Kyunggon KIM Jonghwa JIN

respectively, have invented certain new and useful improvements in:

METHOD FOR DIAGNOSING CANCER THROUGH DETECTION OF
DEGLYCOSYLATION OF GLYCOPROTEIN

(Application No. _______, filed ________), and

WHEREAS,
SEOUL NATIONAL UNIVERSITY R&DB FOUNDATION

hereinafter referred to as the "ASSIGNEE") having a place of business at: (Sillim-dong) 1, Gwanak-ro, Gwanak-gu, Seoul 08826, REPUBLIC OF KOREA

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Columbus | Washington | Claveland | Cincinnati | Akron (Houston) Pittsburgh



Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Vorys, Sater, Seymour and Pease, L.L.P. of 1909 K Street, NW, Ninth Floor, Washington, D.C. 20006 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

By:	
Inventor's Name: <u>Youngsoo KIM</u>	Date
ву: — ТМ	14 Jan 2016
Inventor's Name: June-Hwar YOON	Date
By:	
inventor's Name: <u>Hyunsoo KIM</u>	Date
8 γ:	
inventor's Name: Kyunggon KIM	Date
By:	
inventor's Name: <u>Jonghwa JIN</u>	Date



202.467.8800 | www.vorys.com

Founded 1989

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, I (WE): Youngsoo KIM Junghwan YOON Hyunsoo KIM Kyunggon KIM Jonghwa JIN

respectively, have invented certain new and useful improvements in:

METHOD FOR DIAGNOSING CANCER THROUGH DETECTION OF
DEGLYCOSYLATION OF GLYCOPROTEIN

(Application No. _______, filed _______), and
WHEREAS,
SEOUL NATIONAL UNIVERSITY R&DB FOUNDATION

hereinafter referred to as the "ASSIGNEE") having a place of business at: (Sillim-dong) 1, Gwanak-ro, Gwanak-gu, Seoul 08826, REPUBLIC OF KOREA

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Columbus | Washington | Claveland | Cincinnati | Akron (Houston) Pittsburgh



Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Vorys, Sater, Seymour and Pease, L.L.P. of 1909 K Street, NV, Ninth Floor, Washington, D.C. 20006 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

By:	
by: Inventor's Name: <u>Youngsoo KIM</u>	Date
By:	
by: Inventor's Name: <mark>Junghwan YOON</mark>	Date
By: <u>/ / / / / </u>	14 Jan 2016
Inventor's Name: Hyunsoo KIM	Date
By:	
by. Inventor's Name: <mark>Kyunggon KIM</mark>	Date 1
By: Inventor's Name: <u>Jonghwa JIN</u>	
Inventor's Name: <mark>Jonghwa JIN</mark>	Date



202.467.8800 | www.vorys.com

Founded 1989

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, I (WE): Youngsoo KIM Junghwan YOON Hyunsoo KIM Kyunggon KIM Jonghwa JIN

respectively, have invented certain new and useful improvements in:

METHOD FOR DIAGNOSING CANCER THROUGH DETECTION OF

DEGLYCOSYLATION OF GLYCOPROTEIN

(Application No. _______, filed _______), and

WHEREAS,

SEOUL NATIONAL UNIVERSITY R&DB FOUNDATION

hereinafter referred to as the "ASSIGNEE") having a place of business at: (Sillim-dong) 1, Gwanak-ro, Gwanak-gu, Seoul 08826, REPUBLIC OF KOREA

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Columbus | Washington | Claveland | Cincinnati | Akron (Houston) Pittsburgh



Legal Counsel

Page 2 of 2

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful caths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Vorys, Sater, Seymour and Pease, L.L.P. of 1909 K Street, NW, Ninth Floor, Washington, D.C. 20006 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Ву:				a nae i laka 1 di
Inventor's Name:	Youngsoo Ki	M		Date
System and the				
inventor's Name: ,	Junghwan Y	OON		Date
	·			
By:				
Inventor's Name:	Hyunsoo KIN		***************************************	Date
Maria Ma		77 L	and the state of t	Jamuary 13,2016
By:	dininanan Wi	8.8		Date
Inventor's Name: [Zănii dăcii v i	1888		mast.
	*			
Ву:	·			
inventor's Name: ,	<u> Ill ewilgnot</u>			Date



202.467.8800 | www.vorys.com

Founded 1989

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, I (WE): Youngsoo KIM Junghwan YOON Hyunsoo KIM Kyunggon KIM Jonghwa JIN

respectively, have invented certain new and useful improvements in:

METHOD FOR DIAGNOSING CANCER THROUGH DETECTION OF
DEGLYCOSYLATION OF GLYCOPROTEIN

(Application No. ______, filed ______), and
WHEREAS,
SEOUL NATIONAL UNIVERSITY R&DB FOUNDATION

hereinafter referred to as the "ASSIGNEE") having a place of business at: (Sillim-dong) 1, Gwanak-ro, Gwanak-gu, Seoul 08826, REPUBLIC OF KOREA

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Columbus | Washington | Claveland | Cincinnati | Akron (Houston) Pittsburgh



Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Vorys, Sater, Seymour and Pease, L.L.P. of 1909 K Street, NW, Ninth Floor, Washington, D.C. 20006 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

By:	
Inventor's Name: Youngsoo KIM	Date
By:	
By: Inventor's Name: <mark>Junghwan YOON</mark>	Date
By:	
Inventor's Name: Hyunsoo KIM	Date
By:	•
oy. Inventor's Name: <mark>Kyunggon KiM</mark>	Date /
By: <u>Tomy Hur Jin</u> Inventor's Name (<mark>Jonghwa JIN</mark>	14. Jon mil
Inventor's Name (<mark>Jonghwa JIN</mark>	Date

PATENT REEL: 037551 FRAME: 0727

RECORDED: 01/21/2016