502008632 07/31/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Sung-Cheol YOON	07/25/2012
Seung-Young PARK	07/25/2012
Do-Yong SHIM	07/24/2012
In-Su LEE	06/13/2012

RECEIVING PARTY DATA

Name:	LG CHEM, LTD.
Street Address:	20, Yoido-dong
City:	Youngdungpo-gu, Seoul
State/Country:	KOREA, REPUBLIC OF
Postal Code:	150-721

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13515746

CORRESPONDENCE DATA

 Fax Number:
 2024967756

 Phone:
 2024967500

Email: mlaip@mckennalong.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: McKenna Long & Aldridge LLP

Address Line 1: 1900 K Street, N.W.

Address Line 4: Washington, DISTRICT OF COLUMBIA 20006

ATTORNEY DOCKET NUMBER: 29137.00898.US00

NAME OF SUBMITTER: Mark R. Kresloff

Total Attachments: 8

PATENT REEL: 028689 FRAME: 0102 H \$40,00 13518

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PATENT REEL: 028689 FRAME: 0103

Docket No.: 29137.00898.US00

Assignment of Application

WHEREAS, I	(WE)	Sung-Cheol YOON, Seung-Young PARK, Do-Yong SHIM, In-Su LEE, respectively				
have invented certai	have invented certain new and useful improvements in:					
POLYLACTIDE RESIN, METHOD OF PREPARING THE SAME, AND POLYLACTIDE RESIN COMPOSITION COMPRISING THE SAME						
for which an application for Letters Patent was executed on						
(Application No.	13/51	15,746	, Filed	June 1	3, 2012), and
WHEREAS,	LG CHEM, LTD.					
(hereinafter referred 20, Yoido-dong, Yo						

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 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.

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.

LG Chem

REEL: 028689 FRAME: 0104

The undersigned hereby grant(s) the firm of McKenna Long & Aldridge LLP, Attorneys at Law, 1900 K Street, N.W., 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.

Date: 25 July 2017	- Ro Fran
	(Signature of Inventor) Sung-Cheol YOON
Date: Tuly 25, 20,12	(Signature of Inventor) Seung-Young PARK
Date:	(Signature of Inventor) Do-Yong SHIM
Date:	(Signature of Inventor)

McKenna Long & Aldridge LLP

Attorneys At Law 1900 K Street, N.W. Washington, D.C. 20006

Docket No.: 29137.00898.US00

Assignment of Application

WHEREAS,	I (WE)	Sung-Cheo SHIM, In-	Su LEE, respec	g-Young P tively	ARK, Do	-Yong
have invented certa	in new a	nd useful im	provements in:			
POLYLACT POLYLAC for which an applic	TIDE R	ESIN COM	OD OF PREPA POSITION CO	MPRISIN	IE SAME, G THE SA	AND
(Application No.		5,746	, Filed	June 13,	2012), and
WHEREAS,	LG C	HEM, LTD), unu
(hereinafter referred 20, Yoido-dong, Yo	to as "A ungdung	ASSIGNEE") gpo-gu, Seou	having a place of 1 150-721, Repu	of business blic of Kore	at: ea	

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 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.

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.

Page 1 of 2

DC:50914271.1

REEL: 028689 FRAME: 0106

The undersigned hereby grant(s) the firm of McKenna Long & Aldridge LLP, Attorneys at Law, 1900 K Street, N.W., 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.

Date:_			
		(Signature of Inventor)	
		Sung-Cheol YOON	
Date:_			
		(Signature of Inventor)	
		Seung-Young PARK	
		1	
Date:	July 24, 2012		
		(Signature of Inventor)	
		Do-Yong SHIM	
Date:			
******		(Signature of Inventor)	
		In-Su LEE	

McKenna Long & Aldridge LLP

Attorneys At Law 1900 K Street, N.W. Washington, D.C. 20006

REEL: 028689 FRAME: 0107

ACCIONISTATE OF LITH ITY APPLICATION	Docket Number (Optional)			
ASSIGNMENT OF UTILITY APPLICATION				
Whereas, I, YOON, Sung-Cheol or 208-804, Daedeok Techno Valley 2 Danii, 665, Gwanpyeong-dong, Yuseong-gu, Daeieon 305-509,				
Republic of Korea hereafter referred to as assignor, have with others invented certa	ain agus and unaful improvements in			
nerealter referred to as assignor, have with others invented centa	ain new and userul improvements in			
for which an application for a United States Letters Pate Application Number	ent was filed on			
for which an application for a United States Letters Pater	it was executed by me on			
for which an International Application was filed on	as			
, designating the United	States			
And , designating the officer	otatos.			
Whereas, LG CHEM, LTD.				
a corporation of Republic of Korea herein referred to as "assignment of the corporation o	gnee" whose mailing address is			
20, Yoido-dong, Youngdungpo-gu, Seoul 150-721, Korea				
is desirous of acquiring the entire right, title and interest in the sa	me;			
is acknowledged, and other good and valuable consideration, I assignee my entire right, title and interest for the United State invention and the aforesaid utility patent application and all or applications and patents applied for or granted therefor in the Unit invention, including without limitation all applications and patent aforesaid utility application pursuant to any law or treaty, and infringement with the right to sue for and collect the same for its legal representatives, and including the right to claim such prior Trademarks is hereby authorized and requested to issue all pat said assignee herein, as assignee of the entire interest the representatives, heirs and assigns do hereby agree and covenan all original, divisional, continuation, reissue and other application assignments thereof to said assignee or its assigns, to commun known to the undersigned respecting said improvements, whene legal proceedings in which any of said applications or patents marightful oaths, and to do generally everything necessary to aid obtain patent protection for said improvements in all countries, the and paid by said assignee.	is of America and all other countries in and to said riginal, divisional, continuation, substitute or reissue ited States of America and all other countries, for said is for said invention claiming priority or benefit of the including all claims for damages by reason of past own use and the use of its successors, assigns and rity or benefit and the Commissioner of Patents and ents on said improvements or resulting therefrom to erein; and the undersigned for me and my legal t without further remuneration, to execute and deliver ins for Letters Patent on said improvements and all icate to said assignee or its representatives all facts over requested, to testify in any interferences or other by become involved, to sign all lawful papers, make all assignee, its successors, assigns and nominees to be expenses incident to said applications to be borne			
And I do hereby authorize my attorneys to insert on this deed the when known.	filing date and application number of said application			
Date	YOON, Sung-Cheol			
Witness				
Typed Name of Witness				

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
Whereas, ۱, PARK, Seung-Young	of
306-1101, Expo Apt., Jeonmin-dong, Yuseong-gu, Daei	eon 305-761, Republic of Korea
hereafter referred to as assignor, have with others invented certa	ain new and useful improvements in
for which an application for a United States Letters Pate Application Number	ent was filed on
for which an application for a United States Letters Pater	t was executed by me on
for which an International Application was filed on	, as
, designating the United	States.
And	
whereas, LG CHEM, LTD. a corporation of Republic of Korea herein referred to as "assignation".	nnee" whose mailing address is
a corporation of Thepublic of Notea Therein Telefred to as assign	hiee whose maining address is
20, Yoido-dong, Youngdungpo-gu, Seoul 150-721, Korea is desirous of acquiring the entire right, title and interest in the sa	
is desirous of acquiring the entire right, the and interest in the sa	me,
is acknowledged, and other good and valuable consideration, I assignee my entire right, title and interest for the United State Invention and the aforesaid utility patent application and all or applications and patents applied for or granted therefor in the Unit invention, including without limitation all applications and patent aforesaid utility application pursuant to any law or treaty, and infringement with the right to sue for and collect the same for its legal representatives, and including the right to claim such prior Trademarks is hereby authorized and requested to issue all pat said assignee herein, as assignee of the entire interest the representatives, heirs and assigns do hereby agree and covenant all original, divisional, continuation, reissue and other application assignments thereof to said assignee or its assigns, to commun known to the undersigned respecting said improvements, whene legal proceedings in which any of said applications or patents main rightful oaths, and to do generally everything necessary to aid obtain patent protection for said Improvements in all countries, the and paid by said assignee.	s of America and all other countries in and to said riginal, divisional, continuation, substitute or reissue ted States of America and all other countries, for said is for said invention claiming priority or benefit of the including all claims for damages by reason of past own use and the use of its successors, assigns and rity or benefit and the Commissioner of Patents and ents on said improvements or resulting therefrom to erein; and the undersigned for me and my legal t without further remuneration, to execute and deliver ms for Letters Patent on said improvements and all icate to said assignee or its representatives all facts over requested, to testify in any interferences or other become involved, to sign all lawful papers, make all assignee, its successors, assigns and nominees to be expenses incident to said applications to be borne
And I do hereby authorize my attorneys to insert on this deed the when known.	filing date and application number of said application
Date	PARK, Seung-Young
Witness	
Typed Name of Witness	

	Dookst Number (O-t)			
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)			
Whereas, I, SHIM, Do-yong	of			
502-701, Eunha Maeul Apt., Jung 4-dong, Wonmi-gu, Bucheon-si, Gyeonggi-do 420-730, Republic of Korea				
hereafter referred to as assignor, have with others invented certa	ain new and useful improvements in			
for which an application for a United States Letters Pate Application Number	ent was filed on			
for which an application for a United States Letters Pater	it was executed by me on,			
for which an International Application was filed on	, as			
, designating the United	States.			
And Whereas, LG CHEM, LTD.				
a corporation of Republic of Korea herein referred to as "assig	gnee" whose mailing address is			
20, Yoido-dong, Youngdungpo-gu, Seoul 150-721, Korea				
is desirous of acquiring the entire right, title and interest in the sa NOW, THEREFORE, in consideration of the sum of one	me;			
is acknowledged, and other good and valuable consideration, I assignee my entire right, title and interest for the United State invention and the aforesaid utility patent application and all or applications and patents applied for or granted therefor in the Uninvention, including without limitation all applications and patent aforesaid utility application pursuant to any law or treaty, and infringement with the right to sue for and collect the same for its legal representatives, and including the right to claim such prior Trademarks is hereby authorized and requested to issue all pat said assignee herein, as assignee of the entire interest the representatives, heirs and assigns do hereby agree and covenant all original, divisional, continuation, reissue and other application assignments thereof to said assignee or its assigns, to communate the undersigned respecting said improvements, whene legal proceedings in which any of said applications or patents may rightful oaths, and to do generally everything necessary to aid obtain patent protection for said improvements in all countries, the and paid by said assignee. And I do hereby authorize my attorneys to insert on this deed the	is of America and all other countries in and to said riginal, divisional, continuation, substitute or reissue ited States of America and all other countries, for said is for said invention claiming priority or benefit of the including all claims for damages by reason of past own use and the use of its successors, assigns and rity or benefit and the Commissioner of Patents and tents on said improvements or resulting therefrom to erein; and the undersigned for me and my legal t without further remuneration, to execute and deliver ones for Letters Patent on said improvements and all icate to said assignee or its representatives all facts ver requested, to testify in any interferences or other y become involved, to sign all lawful papers, make all assignee, its successors, assigns and nominees to be expenses incident to said applications to be borne			
when known.				
Date	SHIM, Do-yong			
Witness				
Typed Name of Witness	ı			

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
Whereas, I, LEE, In-Su	of
103-1006, Hanbit Apt., Eoeun-dong, Yuseong-gu, Daeleon 305-755, Republic of Korea	
hereafter referred to as assignor, have with others invented certain new and useful improvements in	
Polylactide resin, method of preparing the same, and polylactide resin composition comprising the same	
for which an application for a United States Letters Patent was filed on Application Number	
for which an application for a United States Letters Patent was executed by me on,	
for which an International Application was filed on	, as
, designating the United States.	
And	
Whereas, LG CHEM, LTD. a corporation of Republic of Korea herein referred to as "assignee" whose mailing address is	
20, Yoido-dong, Youngdungpo-gu, Seoul 150-721, Korea is desirous of acquiring the entire right, title and interest in the same;	
NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my 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 assignse of the entire interest therein; and the undersigned for me and my 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 in	
And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.	
June 13, 2012	
Date	LEE, In-Su
Witness	
Typed Name of Witness	

Page 4 of 4