

Form PTO-1595 (Rev. 09/04)
OMB No. 0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):
SEUNGRIM YANG (05/28/2009), YOUNG-MIN KIM (04/29/2009), JUHYUN KIM (05/28/2009), KI WOO CHUN (05/14/2009),

Execution Date(s): In parentheses after inventor name
Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other

2. Name and address of receiving party(ies)
Name: LG CHEM, LTD.
Internal Address: _____
Street Address: LG TWIN TOWERS
20, YEOUIDO-DONG
YEONGDEUNGPO-GU
City: SEOUL
State: _____
Country: Republic of Korea Zip: 150-721
Additional name(s) & address(es) attached? Yes No

4. Application or patent number(s):
A. Patent Application No.(s)
12/310,341
Additional numbers attached? Yes No

This document is being filed together with a new application.
H. Patent No.(s)
 Yes No

5. Name and address to whom correspondence concerning document should be mailed:
Name: Kelly Y. Hwang
LERNER, DAVID, LITTENBERG,
KRUMHOLZ & MENTLIK, LLP
Internal Address: Atty. Dkt.: LGCHEM 3.3-070
Street Address: 600 South Avenue West
City: Westfield
State: NJ Zip: 07090
Phone Number: (908) 518-6320
Fax Number: (908) 654-0415
Email Address: khwang@ldlkm.com

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
 Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

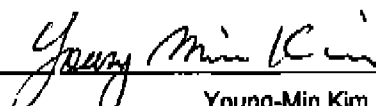

8. Payment Information
a. Credit Card Last 4 Numbers _____
Expiration Date _____
b. Deposit Account Number 12-1095
Authorized User Name Kelly Y. Hwang

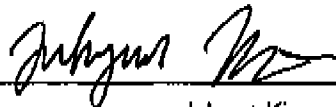
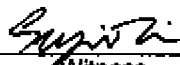
9. Signature: [Signature] Date: September 24, 2009
Kelly Y. Hwang - 51,831 Name of Person Signing
Total number of pages including cover sheet, attachments, and documents: 9



CH \$40.00 121095 12310341

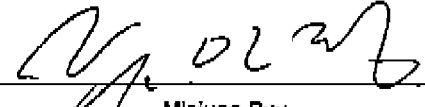

Form PTO-1595	RECORDATION FORM COVER SHEET (continued)
Additional Conveying Party(ies)/Execution Date(s) (1. Continued): Minjung Ryu (06/11/2009), Eun-Suok Oh (05/15/2009), and Min Ho Cho (05/15/2009)	
Additional Assignees (2. Continued):	
Assignee Name: _____ Internal Address: _____ Street Address: _____ City: _____ State: _____ Country: _____ Zip: _____	
Assignee Name: _____ Internal Address: _____ Street Address: _____ City: _____ State: _____ Country: _____ Zip: _____	
Assignee Name: _____ Internal Address: _____ Street Address: _____ City: _____ State: _____ Country: _____ Zip: _____	
Additional Applications and/or Patents (4. Continued):	
Additional Patent Application Numbers 4A. Continued:	Additional Patent Numbers 4B. Continued:
Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	



ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
Whereas, I, <u>SeungRim Yang</u> of	
<u>102-1401, Chowon Apt, Mannyeon-dong, Seo-gu, Daejeon; REPUBLIC OF KOREA 302-740</u>	
hereafter referred to as assignor, have with others invented certain new and useful improvements in BINDER FOR ELECTRODE MATERIAL CONTAINING SEMI-IPN OF POLYVINYL ALCOHOL AND POLYURETHANE AND LITHIUM SECONDARY BATTERY EMPLOYED WITH THE SAME	
<input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>February 19, 2009</u> Application Number <u>12/310,341</u>	
<input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____	
<input checked="" type="checkbox"/> for which an International Application was filed on <u>August 10, 2007</u> , as <u>PCT/KR2007/003834</u> , designating the United States.	
And	
Whereas, <u>LG CHEM, LTD.</u>	
a corporation of <u>Korea, Republic of</u> herein referred to as "assignee" whose mailing address is <u>LG Twin Towers; 20, Yeouido-dong; Yeongdeungpo-gu; Seoul; REPUBLIC OF KOREA 150-721</u>	
is desirous of acquiring the entire right, title and interest in the same;	
NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u>), 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 assignee 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 incident to said applications to be borne and paid by said assignee.	
And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.	
<u>05/28/2009</u> Date	<u>SeungRim Yang</u> SeungRim Yang
<u>[Signature]</u> Witness	
<u>Soo-Jin KIM</u> Typed Name of Witness	
<input checked="" type="checkbox"/> *Total of <u>7</u> forms are submitted.	

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
<p>Whereas, I, <u>Young-Min Kim</u> of <u>13-1104, Garam Apt. Samcheon-dong, Seo-gu, Daejeon; REPUBLIC OF KOREA 302-744</u> hereafter referred to as assignor, have with others invented certain new and useful Improvements in BINDER FOR ELECTRODE MATERIAL CONTAINING SEMI-IPN OF POLYVINYL ALCOHOL AND POLYURETHANE AND LITHIUM SECONDARY BATTERY EMPLOYED WITH THE SAME</p> <p><input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>February 19, 2009</u> Application Number <u>12/310,341</u></p> <p><input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____</p> <p><input checked="" type="checkbox"/> for which an International Application was filed on <u>August 10, 2007</u>, as <u>PCT/KR2007/003834</u>, designating the United States.</p> <p>And</p> <p>Whereas, <u>LG CHEM, LTD.</u> a corporation of <u>Korea, Republic of</u> herein referred to as "assignee" whose mailing address is <u>LG Twin Towers; 20, Yeouido-dong; Yeongdeungpo-gu; Seoul; REPUBLIC OF KOREA 150-721</u> is desirous of acquiring the entire right, title and interest in the same;</p> <p>NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u>), 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 assignee 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 incident to said applications to be borne and paid by said assignee.</p> <p>And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.</p> <p style="text-align: center;"> <u>April 29, 2009</u> Date </p> <p style="text-align: center;">  _____ Young-Min Kim </p> <p style="text-align: center;">  _____ Witness </p> <p style="text-align: center;"> <u>Goo-Jin KIM</u> _____ Typed Name of Witness </p>	
<input checked="" type="checkbox"/> *Total of <u>7</u> forms are submitted.	

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
Whereas, I, <u>Juhyun Kim</u> of	
<u>101, Siyeollip, LG Chem Sawon Apt., Doryong-dong, Yuseong-gu, Daejeon; REPUBLIC OF KOREA 305-340</u>	
hereafter referred to as assignor, have with others invented certain new and useful improvements in BINDER FOR ELECTRODE MATERIAL CONTAINING SEMI-IPN OF POLYVINYL ALCOHOL AND POLYURETHANE AND LITHIUM SECONDARY BATTERY EMPLOYED WITH THE SAME	
<input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>February 19, 2009</u> Application Number <u>12/310,341</u>	
<input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____	
<input checked="" type="checkbox"/> for which an International Application was filed on <u>August 10, 2007</u> , as <u>PCT/KR2007/003834</u> , designating the United States.	
And	
Whereas, <u>LG CHEM, LTD.</u>	
a corporation of <u>Korea, Republic of</u> herein referred to as "assignee" whose mailing address is <u>LG Twin Towers; 20, Yeouido-dong; Yeongdeungpo-gu; Seoul; REPUBLIC OF KOREA 150-721</u>	
is desirous of acquiring the entire right, title and interest in the same;	
NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u>), 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 assignee 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 incident to said applications to be borne and paid by said assignee.	
And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.	
<u>May 20, 2009</u> Date	 Juhyun Kim
 Witness	
<u>Seu-Jin KIM</u> Typed Name of Witness	
<input checked="" type="checkbox"/> *Total of <u>7</u> forms are submitted.	

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
Whereas, I, <u>Ki Woo Chun</u> of	
<u>2-807, Samsung Apt., Oryu-dong, Jung-gu, Daejeon, REPUBLIC OF KOREA 301-758</u>	
hereafter referred to as assignor, have with others invented certain new and useful improvements in BINDER FOR ELECTRODE MATERIAL CONTAINING SEMI-IPN OF POLYVINYL ALCOHOL AND POLYURETHANE AND LITHIUM SECONDARY BATTERY EMPLOYED WITH THE SAME	
<input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>February 19, 2009</u>	
Application Number <u>12/310,341</u>	
<input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____	
<input checked="" type="checkbox"/> for which an International Application was filed on <u>August 10, 2007</u> , as	
<u>PCT/KR2007/003834</u> , designating the United States.	
And	
Whereas, <u>LG CHEM, LTD.</u>	
a corporation of <u>Korea, Republic of</u> herein referred to as "assignee" whose mailing address is	
<u>LG Twin Towers, 20, Yeouido-dong, Yeongdeungpo-gu, Seoul; REPUBLIC OF KOREA 150-721</u>	
is desirous of acquiring the entire right, title and interest in the same;	
NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u>), 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 assignee 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 incident to said applications to be borne and paid by said assignee.	
And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.	
<u>05/14/2009</u> Date	 Ki Woo Chun
 Witness	
<u>Sun-Jin KIM</u> Typed Name of Witness	
<input checked="" type="checkbox"/> *Total of <u>7</u> forms are submitted.	

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
Whereas, I, <u>Minjung Ryu</u> of	
<u>203, 1841-85, Sillimbon-dong, Gwanak-gu, Seoul; REPUBLIC OF KOREA 151-853</u>	
hereafter referred to as assignor, have with others invented certain new and useful improvements in BINDER FOR ELECTRODE MATERIAL CONTAINING SEMI-IPN OF POLYVINYL ALCOHOL AND POLYURETHANE AND LITHIUM SECONDARY BATTERY EMPLOYED WITH THE SAME	
<input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>February 19, 2009</u> Application Number <u>12/310,341</u>	
<input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____	
<input checked="" type="checkbox"/> for which an International Application was filed on <u>August 10, 2007</u> , as <u>PCT/KR2007/003834</u> , designating the United States.	
And	
Whereas, <u>LG CHEM, LTD.</u>	
a corporation of <u>Korea, Republic of</u> herein referred to as "assignee" whose mailing address is	
<u>LG Twin Towers; 20, Yeouido-dong; Yeongdeungpo-gu; Seoul; REPUBLIC OF KOREA 160-721</u>	
is desirous of acquiring the entire right, title and interest in the same:	
<p>NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u>), 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 assignee 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 incident to said applications to be borne and paid by said assignee.</p>	
And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.	
<u>06.11.2009</u> Date	 Minjung Ryu
 Witness	
<u>Gu-Jin HJM</u> Typed Name of Witness	
<input checked="" type="checkbox"/> *Total of <u>7</u> forms are submitted.	

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
<p>Whereas, I, <u>Eun-Suok Oh</u> of <u>602-502, Banseokmaeul 6-danji Apt., Banseok-dong, Yuseong-gu, Daejeon; REPUBLIC OF KOREA 305-150</u></p> <p>hereafter referred to as assignor, have with others invented certain new and useful improvements in BINDER FOR ELECTRODE MATERIAL CONTAINING SEMI-IPN OF POLYVINYL ALCOHOL AND POLYURETHANE AND LITHIUM SECONDARY BATTERY EMPLOYED WITH THE SAME</p> <p><input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>February 19, 2009</u> Application Number <u>12/310,341</u></p> <p><input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____</p> <p><input checked="" type="checkbox"/> for which an International Application was filed on <u>August 10, 2007</u>, as <u>PCT/KR2007/003834</u>, designating the United States.</p> <p>And</p> <p>Whereas, <u>LG CHEM, LTD.</u> a corporation of <u>Korea, Republic of</u> herein referred to as "assignee" whose mailing address is <u>LG Twin Towers; 20, Yeouido-dong; Yeongdeungpo-gu; Seoul; REPUBLIC OF KOREA 150-721</u> is desirous of acquiring the entire right, title and interest in the same;</p> <p>NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u>), 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 assignee 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 incident to said applications to be borne and paid by said assignee.</p> <p>And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.</p> <p><u>2009. 5. 15</u> Date</p> <p> Eun-Suok Oh</p> <p> Witness</p> <p><u>Kim-Jin-HIM</u> Typed Name of Witness</p>	
<input checked="" type="checkbox"/> *Total of <u>7</u> forms are submitted.	

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
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Whereas, I, Min Ho Cho of 102-201, Kunyong Apt., Sangdo-dong, Dongjak-gu, Seoul; REPUBLIC OF KOREA 156-030

hereafter referred to as assignor, have with others invented certain new and useful improvements in **BINDER FOR ELECTRODE MATERIAL CONTAINING SEMI-IPN OF POLYVINYL ALCOHOL AND POLYURETHANE AND LITHIUM SECONDARY BATTERY EMPLOYED WITH THE SAME**

for which an application for a United States Letters Patent was filed on February 19, 2009
Application Number 12/310,341

for which an application for a United States Letters Patent was executed by me on _____

for which an International Application was filed on August 10, 2007, as PCT/KR2007/003834, designating the United States.

And

Whereas, LG CHEM, LTD.
a corporation of Korea, Republic of herein referred to as "assignee" whose mailing address is LG Twin Towers, 20, Yeouido-dong, Yeongdeungpo-gu, Seoul; REPUBLIC OF KOREA 150-721
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 assignee 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 incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

05/15/2009
Date

Min Ho Cho
Min Ho Cho

[Signature]
Witness

Kim-Jin KIM
Typed Name of Witness

*Total of 7 forms are submitted.