


Form PTO-1595 (Rev. 03-11)
OMB No. 0651-0027 (exp. 03/31/2012)

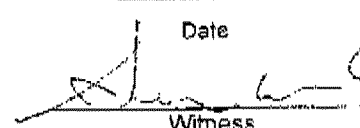
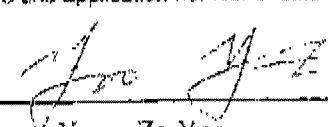
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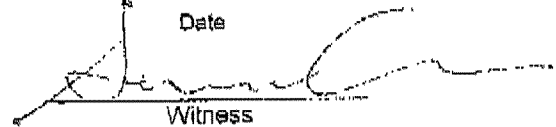
RECORDATION FORM COVER SHEET PATENTS ONLY

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

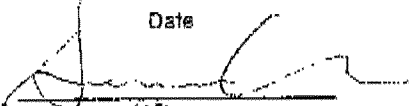
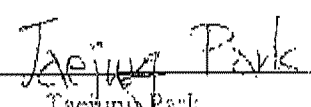
<p>1. Name of conveying party(ies): YoungZo YOO, SeoHyun KIM, JeongWoo PARK, Taejung PARK, and Gun Sang YOON</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies) Name: Samsung Corning Precision Materials Co., Ltd.</p> <p>Internal Address: _____ Street Address: _____</p> <p>644-1, Jinpyeong-dong, Gumi-si</p> <p>City: Gyeongsangbuk-do State: _____ Country: Republic of Korea Zip: 730-735</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance/Execution Date(s): Execution Date(s): <u>March 6, 2012</u></p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____</p>	<p>4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application.</p> <p>A. Patent Application No.(s) 13/448,629</p> <p>B. Patent No.(s)</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Name and address to whom correspondence concerning document should be mailed: Name: Gregory S. Gewirtz LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP</p> <p>Internal Address: Atty. Dkt.: SAMSUN 3.0-080 Street Address: 600 South Avenue West</p> <p>City: Westfield State: NJ Zip: 07090 Phone Number: 908-654-5000 Fax Number: 908-654-7866 Email Address: ataylor@ldlkm.com</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)</p>
<p>8. Payment Information</p> <p>Deposit Account Number: 12-1095 Authorized User Name: Daryl K. Neff</p>	
<p>9. Signature: </p> <p style="text-align: right;">April 23, 2012 Date</p> <p>Gregory S. Gewirtz - 36,522 Name of Person Signing</p> <p style="text-align: right;">Total number of pages including cover sheet, attachments, and documents: 6</p>	

CH \$40.00 121095 13448629

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
Whereas, I, <u>YoungZo Yoo</u> of	
<u>d/o SAMSUNG CORNING PRECISION MATERIALS CO., LTD., 220, Yongdoo-ri, Tangjeong-myeon, Asan-si, ChungCheongNam-Do 336-841, Republic of Korea</u>	
hereafter referred to as assignor, have with others invented certain new and useful improvements in <u>LIGHT-EMITTING DEVICE AND METHOD OF FABRICATING THE SAME</u>	
<input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>April 17, 2012</u> Application Number <u>13/448,629</u>	
<input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____	
<input type="checkbox"/> for which an international Application was filed on _____, as	
_____ , designating the United States	
And	
Whereas, <u>SAMSUNG CORNING PRECISION MATERIALS CO., LTD.</u>	
a corporation of <u>Korea, Republic of</u> , herein referred to as "assignee" whose mailing address is <u>644-1, Jinpyeong-dong, Gumi-si, Gyeongsangbuk-do 730-735, Republic of Korea</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>March 6, 2012</u> Date  Witness <u>Seon-Min KIM</u> Typed Name of Witness	 _____ YoungZo Yoo
<input checked="" type="checkbox"/> Total of <u>5</u> forms are submitted.	

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
<p>Whereas, I, <u>Seohyun Kim</u> of <u>c/o SAMSUNG CORNING PRECISION MATERIALS CO., LTD., 220, Yongdoo-ri, Tangjeong-myeon, Asan-si, ChungCheongNam-Do 336-841, Republic of Korea</u> hereafter referred to as assignor, have with others invented certain new and useful improvements in <u>LIGHT-EMITTING DEVICE AND METHOD OF FABRICATING THE SAME</u></p> <p><input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>April 17, 2012</u> Application Number <u>13/448,629</u></p> <p><input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____</p> <p><input type="checkbox"/> for which an International Application was filed on _____ as _____, designating the United States.</p> <p>And</p> <p>Whereas, <u>SAMSUNG CORNING PRECISION MATERIALS CO., LTD.</u> a corporation of <u>Korea, Republic of</u> herein referred to as "assignee" whose mailing address is <u>644-1, Jinpyeong-dong, Gumi-si, Gyeongsangbuk-do 730-735, Republic of Korea</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>March 6, 2012</u> Date  _____ Seohyun Kim </p> <p style="text-align: center;">  _____ Witness <u>Seon-Min KIM</u> Typed Name of Witness </p>	
<p><input checked="" type="checkbox"/> *Total of <u>5</u> forms are submitted.</p>	

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
<p>Whereas, I, <u>Jeong Woo Park</u> of <u>c/o SAMSUNG CORNING PRECISION MATERIALS CO., LTD., 220, Yongdoo-ri, Tangjeong- myeon, Asan-si, ChungCheongNam-Do 336-841, Republic of Korea</u> hereafter referred to as assignor, have with others invented certain new and useful improvements in <u>LIGHT-EMITTING DEVICE AND METHOD OF FABRICATING THE SAME</u> <input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>April 17, 2012</u> Application Number <u>13/448,629</u> <input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____ <input type="checkbox"/> for which an International Application was filed on _____ as _____, designating the United States.</p> <p>And</p> <p>Whereas, <u>SAMSUNG CORNING PRECISION MATERIALS CO., LTD.</u> a corporation of <u>Korea, Republic of</u> herein referred to as "assignee" whose mailing address is <u>644-1, Jinpyeong-dong, Guri-si, Gyeongsangbuk-do 730-735, Republic of Korea</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> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="text-align: center;"> <p><u>March 6, 2012</u> Date</p> <p><u>Seon-Min KIM</u> Witness</p> <p><u>Seon-Min KIM</u> Typed Name of Witness</p> </div> <div style="text-align: center;"> <p><u>Jeong Woo Park</u> _____ Jeong Woo Park</p> </div> </div>	
<input checked="" type="checkbox"/> *Total of <u>5</u> forms are submitted.	

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
<p>Whereas, I, <u>Taejung Park</u> of <u>c/o SAMSUNG CORNING PRECISION MATERIALS CO., LTD., 220, Yongdoe-ri, Tangjeong-myeon, Asan-si, ChungCheongNam-Do 336-841, Republic of Korea</u> hereafter referred to as assignor, have with others invented certain new and useful improvements in <u>LIGHT-EMITTING DEVICE AND METHOD OF FABRICATING THE SAME</u> <input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>April 17, 2012</u> Application Number <u>13/448,629</u> <input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____ <input type="checkbox"/> for which an International Application was filed on _____, as _____ designating the United States.</p> <p>And</p> <p>Whereas, <u>SAMSUNG CORNING PRECISION MATERIALS CO., LTD.</u> a corporation of <u>Korea, Republic of</u> herein referred to as "assignee" whose mailing address is <u>644-1, Jinpyeong-dong, Gumi-si, Gyeongsangbuk-do 730-736, Republic of Korea</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> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="text-align: center;"> <p><u>March 6, 2012</u> Date</p>  <p>_____ Witness</p> <p><u>Seon-Min KIM</u> Typed Name of Witness</p> </div> <div style="text-align: center;">  <p>_____ Taejung Park</p> </div> </div>	

*Total of 6 forms are submitted.

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
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Whereas, I, GUN SANG YOON of
c/o SAMSUNG CORNING PRECISION MATERIALS CO., LTD., 220 Yongdoo-ri, Tangjeong-
myeon, Asan-si, ChungCheongNam-Do 336-841, Republic of Korea

hereafter referred to as assignor, have with others invented certain new and useful improvements in
LIGHT-EMITTING DEVICE AND METHOD OF FABRICATING THE SAME

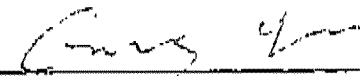
- for which an application for a United States Letters Patent was filed on April 17, 2012
Application Number 13/448,629
- for which an application for a United States Letters Patent was executed by me on _____
- for which an International Application was filed on _____, as

_____ designating the United States.
And

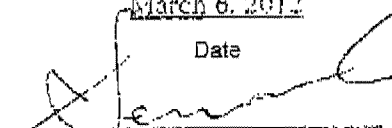
Whereas, SAMSUNG CORNING PRECISION MATERIALS CO., LTD.
a corporation of Korea, Republic of herein referred to as "assignee" whose mailing address is
644-1, Jinpyeong-dong, Gumi-si, Gyeongsangbuk-do 730-735, Republic of Korea
is desirous of acquiring the entire right, title and interest in the same;

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 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.

March 6, 2012
Date


GUN SANG YOON



Witness
Seon-Min KIM

Typed Name of Witness

*Total of 5 forms are submitted.

PATENT