Form PTO-1595 (Rev. 03-11) OMB No. 0651-0027 (exp. 03/31/2012)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Offic
RECORDATION FORM COVER SHEET  PATENTS ONLY	
	se record the attached documents or the new address(es) below.
1. Name of conveying party(les):	2. Name and address of receiving party(les)
YoungZo YOO, SeoHyun KIM, JeongWoo PARK, Taejung PARK, and Gun Sang YOON	Samsung Corning Precision Materials Name: Co., Ltd.
Additional name(s) of conveying party(ies) attached? Yes X No	Internal Address: Street Address:
3. Nature of conveyance/Execution Date(s):	
Execution Date(s): March 6, 2012	644-1, Jinpyeong-dong, Gumi-si
X Assignment Merger Change of Name	
Security Agreement Joint Research Agreement	City: Gyeongsangbuk-do
Government Interest Assignment	State:
Executive Order 9424, Confirmatory License	Country: Republic of Korea Zip: 730-735
Other	Additional name(s) & address(es) Yes X No
A. Patent Application No.(s)     13/448,629  Additional numbers attacher	B. Palent No.(s)
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patente involved:
Name: Gregory S. Gewirtz LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address: Atty. Dkt.: SAMSUN 3.0-080 Street Address: 600 South Avenue West	X Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting title)
City: Westfield	8. Payment Information
State: NJ Zip: 07090	_
Phone Number: 908-654-5000	_
Fax Number: 908-654-7866	Deposit Account Number 12-1095
Email Address: ataylor@ldlkm.com	Authorized User Name Daryl K. Neff
9. Signature:	April 23, 2012
/ Signature	Date
Gregory S. Gewirtz - 36,522  Name of Person Signing	Total number of pages including cover sheet, attachments, and documents: 6

	Docket Number (Optional)		
ASSIGNMENT OF UTILITY APPLICATION	2000		
Nherees, I. Young Zo You of			
c/o SAMSUNG CORNING PRECISION MATERIALS CO., LTD., 220, Yongdoo-ri, Tangjeong- myecn, 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 Latters Patent was filed on April 17, 2012  Application Number			
for which an application for a United States Letters Pater	nt was executed by the on		
for which an international Application was filed on	. 88		
, designating the United	i States		
And			
Whereas, SAMSUNG CORNING PRECISION MATERI	ALS CO., LTD.		
a corporation of Korea, Republic of herein referred to as "as	ssignea" whose mailing address is		
644-1, Jinpyeong-dong, Gurni-sl, Gyeongsangbuk-do 730-7	35. Republic of Korea		
Is desirous of acquiring the entire right, title and interest in the s	ame;		
Is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to seld assigned my entire right, title and interest for the United States of America and all other countries in and to said invention and the groresaid 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 see 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 maland 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 sid assignee, its successors, assigns and nominess to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and pald by said assignee.			
And I do hereby authorize my attorneys to insert on this deed to when known.	ne filing date and application number of sald application		
March 6, 2012	1-200		
Date Witness	YoungZo You		
Seon-Min KIM			
Typed Name of Witness			
Y Total of 5 forms are submitted.			

	Dockel Number (Optional)		
ASSIGNMENT OF UTILITY APPLICATION			
Mhereas, I,			
c/c 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-PMITTING DEVICE AND METHOD OF FABRICATING TIVE 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 Pate	i de la companya de		
for which an International Application was filed on	4		
, designating the United States.			
Whereas, SAMSUNG CORNING PRECISION MATERI	ALS CO., LTD.		
a corporation of Korea. Ropublic of herein referred to as "a	ssignee".whose mailing address is		
.644-1, Jinpyeong-dong, Gurni-si, Gyeongsangbuk-do 730-	735, Republic of Korea		
is destrous of acquiring the entire right, title and interest in the s	ame;		
assignee my entire right, title and interest for the United Sta Invention and the aforesaid utility patent application and all applications and patents applied for or granted therefor in the said invention, including without limitation all applications and the aforesaid utility application pursuant to any law or treaty, a infringement with the right to sue for and collect the same for legal representatives, and including the right to claim such programmate is hereby authorized and requested to issue all patent assignée herein, as assignée of the entire interest representatives, heirs and assignee of the entire interest representatives, heirs and assignee or the entire interest all original, divisional, continuation, reissue and other application essignments thereof to said assignee or its assigns to commit known to the undersigned respecting said improvements, whe legal proceedings in which any of said applications or patents rightful oaths, and to do generally everything necessary to a obtain patent protection for said improvements in all countries and paid by said assignee.	original, divisional, continuation, substitute of telescope United States of America and all other countries, for patents for said invention claiming priority or benefit of and including all claims for damages by reason of pastitis own use and the use of its successors, assigns and fortity or benefit and the Commissioner of Patents and statents on said improvements or resulting therefrom to therein; and the undersigned for me and my legal ant without further remuneration, to execute and deliverations for Letters Patent on said improvements and all unicate to said assignee or its representatives all facts never requested, to testify in any interferences or other may become involved, to sign all lawful papers, make all its expenses incident to said applications to be borned.		
And I do heraby authorize my attorneys to insert on this deed to when known.	the filling date and application number of said application.		
<u>March 6, 2012</u>	Ol VII		
Date	SeoHyun Kim		
	*V &		
Witness			
Seon-Min KIM			
Typad Name of Witness			
*Total of 5 forms are submitted.			

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)		
. Whereas, I,			
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 I IGHT-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 Pater	ni was executed by me on		
tor which an International Application was filed on	į		
, designating the United	States.		
And	Bary etc. 4g		
Whereas, SAMSUNG CORNING PRECISION MATERIA	ALS CO., LTD.		
a corporation of <u>Korea, Republic of</u> herein referred to as "as	signee" whose malling address is		
644-1, Jinpyeong-dong, Guml-si, Gyeongsanghuk-do 730-7			
is desirous of acquiring the entire right, title and interest in the sa	ame, .		
is acknowledged, and other good and valuable consideration. I as assignor hereby sell, assign and sollower 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 aforesald 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 demages 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 loaths; and to, do generally everything necessary to eid assignee. Its successors, assigns and hominees 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 to when known.			
<u>March 6, 2012</u>	Jeong Woo Jark		
Date	Jeong Woo Park		
	<u>.</u>		
Witness			
Seon-Min KIM			
Typed Name of Witness			
x "Total of 5 forms are submitted.			

 $((a,b)_{(a,b)}, (a,b)_{(a,b)}, (a,b)_{(a,b)}, (a,b)_{(a,b)}) = (a,b)_{(a,b)} + (a,b)_{(a,b)}$ 

	Dockel Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION		
Whereas, I. Tacjung		
do SAMSUNG CORNING PRECISION MATERIALS CO., LTD., 220, Yongdoo-ri, Tangjeong-myeon, Asan-si, ChungCheongNam-Do 336-841, Republic of Korsa		
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 onApril 17, 2012		
for which an application for a United States Letters Pater	in was executed by the on	
for which an International Application was filed on	, as	
designating the United	l States.	
Whereas, SAMSUNG CORNING PRECISION MATERIA a corporation of Kores, Republic of herein referred to as "as 644-1, Jimpyeorg-dong, Gurni-sr, Gyeongsangbuk-do 730-7 is desirous of acquiring the entire right, title and interest in the sa	signee" whose mailing address is (36, Republic of Korna	
NOW, THEREFORE, in consideration of the sum of <u>one</u> 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 relisable 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 clalming priority or benefit of said invention, including without limitation all applications and patents for said invention clalming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past Infingement 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 Patients 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 assignee of the entire interest therein; and the undersigned for me 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 ceths, and to do generally everything necessary to aid assignee,		
And I do hereby authorize my attorneys to Insert or: this deed the when known.	ne filing date and application number of said application	
<u>March 6, 2012</u>	Japine Park	
Date	Tachung Park	
Seon-Min KIM		
Typed Name of Witness		
X *Total of 6 forms are submitted.		

	Docket Number (Optional)		
ASSIGNMENT OF UTILITY APPLICATION	A SECTION CONTRACTOR C		
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 filled on, as			
And designating the United	States.		
Whereas, SAMSUNG CORNING PRECISION MATERIA	ALS CO., LTD.		
a corporation of Korea, Republic of herein referred to as 'as	signae" whose mailing address is		
644-1, Jinpyeong-dong, Gurni-si, Gyeongsangbuk-do 730-7			
is desirous of acquiring the entire right, title and interest in the sa	ime;		
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 release 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 demages 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 assignee of the entire interest therein; and the undersigned for me and deliver all original, divisional, continuation, relasue 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, wherever 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 patent protection for said improvements in all countries, the expenses incident to said applications to be home and paid by said assignee.			
And I do hereby authorize my attorneys to insert on this deed the when known.	e filing date and application number of sale application		
-March 6, 2012	Imag you		
Date	GUN SANG YOON		
Witness			
Seon-Min KIM			
Typed Name of Witness			
Livi state of 5 forms are submitted			

**PATENT** 

REEL: 028120 FRAME: 0537