

# PATENT ASSIGNMENT

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT																						
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT																						
<b>CONVEYING PARTY DATA</b>																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr><td>Young-Mi KIM</td><td>07/15/2011</td></tr> <tr><td>Ho-Cheol KANG</td><td>07/19/2011</td></tr> <tr><td>Ho-Jin KIM</td><td>07/15/2011</td></tr> <tr><td>Chang-Hee LEE</td><td>07/18/2011</td></tr> <tr><td>Kook-Heon CHAR</td><td>07/18/2011</td></tr> <tr><td>Seong-Hoon LEE</td><td>07/18/2011</td></tr> <tr><td>Jeong-Hun KWAK</td><td>07/18/2011</td></tr> <tr><td>Wan-Ki BAE</td><td>07/22/2011</td></tr> <tr><td>Dong-Gu LEE</td><td>07/18/2011</td></tr> <tr><td>Jae-Hoon LIM</td><td>07/18/2011</td></tr> </tbody> </table>		Name	Execution Date	Young-Mi KIM	07/15/2011	Ho-Cheol KANG	07/19/2011	Ho-Jin KIM	07/15/2011	Chang-Hee LEE	07/18/2011	Kook-Heon CHAR	07/18/2011	Seong-Hoon LEE	07/18/2011	Jeong-Hun KWAK	07/18/2011	Wan-Ki BAE	07/22/2011	Dong-Gu LEE	07/18/2011	Jae-Hoon LIM	07/18/2011
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<b>PROPERTY NUMBERS Total: 1</b>																							
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<b>CORRESPONDENCE DATA</b>																							

CH \$40.00 13115537

501612392

**PATENT**  
**REEL: 026680 FRAME: 0091**

Fax Number: (202)739-3001

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ATTORNEY DOCKET NUMBER:

041501-5970

NAME OF SUBMITTER:

Robert J. Goodell

Total Attachments: 12

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**ASSIGNMENT**

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

**QUANTUM DOT LIGHT EMITTING DIODE DEVICE AND DISPLAY DEVICE THEREWITH**

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on May 25, 2011, (Application No. 13/115,537); and

WHEREAS, LG Display Co., Ltd., a corporation of the Republic of Korea whose post office address is 20, Yoido-dong, Youngdungpo-gu, Seoul, Korea, and SNU R&DB FOUNDATION, a corporation of the Republic of Korea whose post office address is San 56-1, Sillim-dong, Gwanak-gu, Seoul, 151-742 Republic of Korea, (hereinafter referred to as Assignees), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

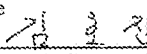
AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parenthesis (Application No. 13/115,537, filed May 25, 2011) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

Full Name of First Assignor Young-Mi KIM	Assignor's Signature 김영미	Date July 15, 2011
403 Gangbyun Suite, 433-38, Hapjeong-dong, Mapo-gu, Seoul, Korea		Citizenship Korea
Full Name of Second Assignor Ho-Cheol KANG	Assignor's Signature	Date
110/801 Munchon Maeul 1 Danji Wonsung Apt., Juyeop 2-dong, Ilsan-gu, Gyeonggi-do, Korea		Citizenship Korea
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

ATTORNEY DOCKET NO.: 41501-5970  
SOLE/JOINT INVENTION  
(U.S. Rights Only)  
(Continued)

Full Name of Third Assignor Ho-Jin KIM	Assignor's Signature 	Date July 18, 2011
202/1506 Tanhyeon Maeul 2 Danji Apt., Tanhyeon-dong, Ilsan-gu, Goyang-si, Gyeonggi-do, Korea		Citizenship Korea
Full Name of Fourth Assignor Chang-Hee LEE	Assignor's Signature	Date
213/406 Olympic Family Apt., Munjeong 2-dong, Songpa-gu, Seoul, Korea		Citizenship Korea
Full Name of Fifth Assignor Kook-Heon CHAR	Assignor's Signature	Date
A/304 Banpo Hyundai Villa, 104-16, Banpo-dong, Seocho-gu, Seoul, Korea		Citizenship Korea
Full Name of Sixth Assignor Seang-Hoon LEE	Assignor's Signature	Date
503/322 NS50, College of Natural Sciences, Seoul National University, 599, Gwanak-ro, Gwanak-gu, Seoul, Korea		Citizenship Korea
Full Name of Seventh Assignor Jeong-Hun KWAK	Assignor's Signature	Date
403 Hanback Ritzville, 419-15, Sadang 1-dong, Dongjak-gu, Seoul, Korea		Citizenship Korea
Full Name of Eighth Assignor Wan-Ki BAE	Assignor's Signature	Date
1002 Gwanak Maxtel, 866-11, Bongcheon-dong, Gwanak-gu, Seoul, Korea		Citizenship Korea
Full Name of Ninth Assignor Dong-Gu LEE	Assignor's Signature	Date
106/1605 Gwangnyonscheon Metro Xi Apt., Ogok-ri, Chirwon-myeon, Haman-gun, Gyeongsangnam-do, Korea		Citizenship Korea
Full Name of Tenth Assignor Jae-Hoon LIM	Assignor's Signature	Date
302/616 Seoul National University, Daehak-dong, Gwanak-gu, Seoul, Korea		Citizenship Korea
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

DS1/67232552.1

**ASSIGNMENT**

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AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

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403 Ganghyun Suite, 433-38, Hapjeong-dong, Mapo-gu, Seoul, Korea		Citizenship Korea
Full Name of Second Assignor Ho-Cheul KANG	Assignor's Signature <i>Ho-Cheul KANG</i>	Date 11.7.19
110/801 Munchon Maeul 1 Danji Woosung Apt., Juyeop 2-dong, Ilsan-gu, Gyeonggi-do, Korea		Citizenship Korea
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

ATTORNEY DOCKET NO.: 41561-5970  
SOLE/JOINT INVENTION  
(U.S. Rights Only)  
(Continued)

Full Name of Third Assignor <b>Ho-Jin KIM</b>	Assignor's Signature	Date
202/1506 Tanhyeon Maeul 2 Danji Apt., Tanhyeon-dong, Ilsan-gu, Gyeonggi-do, Korea		Citizenship Korea
Full Name of Fourth Assignor <b>Chang-Hee LEE</b>	Assignor's Signature	Date
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Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

DN11/67232552 1

ATTORNEY DOCKET NO.: 41501-5970  
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DB1/67232562.1



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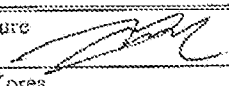
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503/322 NS60, College of Natural Sciences, Seoul National University, 599, Gwanak-ro, Gwanak-gu, Seoul, Korea		Citizenship Korea
Full Name of Seventh Assignor Jeong-Hun KWAK	Assignor's Signature 	Date 18-Jul-2011
403 Hanback Ritzville, 419-15, Sadang 1-dong, Dongjak-gu, Seoul, Korea		Citizenship Korea
Full Name of Eighth Assignor Wan-Ki BAE	Assignor's Signature	Date
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for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on May 25, 2011, (Application No. 13/115,537); and

WHEREAS, LG Display Co., Ltd., a corporation of the Republic of Korea whose post office address is 20, Yoido-dong, Youngdungpo-gu, Seoul, Korea, and SNU R&DB FOUNDATION, a corporation of the Republic of Korea whose post office address is San 56-1, Sillim-dong, Gwanak-gu, Seoul, 151-742 Republic of Korea, (hereinafter referred to as Assignees), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parenthesis (Application No. 13/115,537, filed May 25, 2011) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

Full Name of First Assignor <b>Young-Mi KIM</b>	Assignor's Signature	Date
403 Gangbyun Suite, 433-38, Hapjeong-dong, Mapo-gu, Seoul, Korea		Citizenship Korea
Full Name of Second Assignor <b>Ho-Chan KANG</b>	Assignor's Signature	Date
110/801 Munchon Maeul 1 Danji Woosung Apt., Juyeop 2-dong, Ilsan-gu, Gyeonggi-do, Korea		Citizenship Korea
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

ATTORNEY DOCKET NO.: 41501-5970  
SOLE/JOINT INVENTION  
(U.S. Rights Only)  
(Continued)

Full Name of Third Assignor Ho-Jin KIM	Assignor's Signature	Date
202/1506 Tanhyeon Maeul 2 Danji Apt., Tanhyeon-dong, Il-san-gu, Gyeonggi-do, Korea		Citizenship Korea
Full Name of Fourth Assignor Chang-Hee LEE	Assignor's Signature	Date
213/406 Olympic Family Apt., Munjeong 2-dong, Songpa-gu, Seoul, Korea		Citizenship Korea
Full Name of Fifth Assignor Kook-Heon CHA	Assignor's Signature	Date
A/304 Banpo Hyundai Villa, 104-16, Banpo-dong, Seocho-gu, Seoul, Korea		Citizenship Korea
Full Name of Sixth Assignor Seong-Hoon LEE	Assignor's Signature	Date
503/322 NS60, College of Natural Sciences, Seoul National University, 599, Gwanak-ro, Gwanak-gu, Seoul, Korea		Citizenship Korea
Full Name of Seventh Assignor Jeong-Hun KWAK	Assignor's Signature	Date
403 Hanbaek Ritzville, 419-15, Sadang 1-dong, Dongjak-gu, Seoul, Korea		Citizenship Korea
Full Name of Eighth Assignor Wan-Ki BAE	Assignor's Signature <i>Wan-Ki Bae</i>	Date 7.22.2011
1002 Gwanak Mxotel, 866-11, Bongcheon-dong, Gwanak-gu, Seoul, Korea		Citizenship Korea
Full Name of Ninth Assignor Dong-Gu LEE	Assignor's Signature	Date
106/1605 Gwanggyecheon Metro Xi Apt., Ogok-ri, Chirwon-myeon, Haman-gun, Gyeongangnam-do, Korea		Citizenship Korea
Full Name of Tenth Assignor Jae-Hoon LIM	Assignor's Signature	Date
302/616 Seoul National University, Daehak-dong, Gwanak-gu, Seoul, Korea		Citizenship Korea
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

**ASSIGNMENT**

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

**QUANTUM DOT LIGHT EMITTING DIODE DEVICE AND DISPLAY DEVICE THEREWITH**  
for which I/WE executed an application for United States Letters Patent concurrently herewith;  
or filed an application for United States Letters Patent on May 25, 2011, (Application No. 13/115,537);  
and

WHEREAS, LG Display Co., Ltd., a corporation of the Republic of Korea whose post office address is 20, Yoido-dong, Youngdungpo-gu, Seoul, Korea, and SNU R&DB FOUNDATION, a corporation of the Republic of Korea whose post office address is San 56-1, Sillim-dong, Gwanak-gu, Seoul, 151-742 Republic of Korea, (hereinafter referred to as Assignees), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

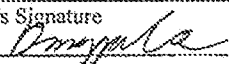
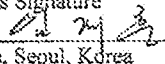
AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

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IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

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403 Gangbyun Suite, 433-38, Hapjeong-dong, Mapo-gu, Seoul, Korea		Citizenship Korea
Full Name of Second Assignor Ho-Cheol KANG	Assignor's Signature	Date
110/801 Munchon Maeul 1 Danji Woosung Apt., Juyeop 2-dong, Ilsan-gu, Gyeonggi-do, Korea		Citizenship Korea
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

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SOLE/JOINT INVENTION  
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202/1506 Tanhyeon Maeul 2 Danji Apt., Tanhyeon-dong, Ilsan-gu, Goyang-si, Gyeonggi-do, Korea		Citizenship Korea
Full Name of Fourth Assignor Chang-Hee LEE	Assignor's Signature	Date
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Full Name of Fifth Assignor Kook-Heon CHAR	Assignor's Signature	Date
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Full Name of Sixth Assignor Seong-Hoon LEE	Assignor's Signature	Date
503/322 NS60, College of Natural Sciences, Seoul National University, 599, Gwanak-ro, Gwanak-gu, Seoul, Korea		Citizenship Korea
Full Name of Seventh Assignor Jeong-Hun KWAK	Assignor's Signature	Date
403 Hanbaek Ritzville, 419-15, Sadang 1-dong, Dongjak-gu, Seoul, Korea		Citizenship Korea
Full Name of Eighth Assignor Wan-Ki BAE	Assignor's Signature	Date
1092 Gwanak Maxtel, 866-11, Bongcheon-dong, Gwanak-gu, Seoul, Korea		Citizenship Korea
Full Name of Ninth Assignor Dong-Gu LEE	Assignor's Signature 	Date 18 July 2011
106/1605 Gwanggyecheon Metro Xi Apt., Ogok-ri, Chirwon-myeon, Haman-gun, Gyeongangnam-do, Korea		Citizenship Korea
Full Name of Tenth Assignor Jae-Hoon LIM	Assignor's Signature 	Date 2011. 01. 18
302/616 Seoul National University, Daehak-dong, Gwanak-gu, Seoul, Korea		Citizenship Korea
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

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