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	ASSIGNMENT	Execution Date 07/15/2011 07/19/2011 07/15/2011	
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20, Yoido-dong, Youngdungpo-gu			
Seoul			
SNU R&DB Foundation			
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PUBLIC OF KC	DREA		
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), Yoido-dong, Yo eoul EPUBLIC OF KC NU R&DB Found 5-1 Sillim-dong, C	Display Co., Ltd. Yoido-dong, Youngdungpo-gu oul EPUBLIC OF KOREA VU R&DB Foundation G-1 Sillim-dong, Gwanak-gu eoul EPUBLIC OF KOREA i1-742	07/18/2011 07/18/2011 A G Display Co., Ltd. 0, Yoido-dong, Youngdungpo-gu goul EPUBLIC OF KOREA NU R&DB Foundation S-1 Sillim-dong, Gwanak-gu goul EPUBLIC OF KOREA Solution S-1 Sillim-dong, Gwanak-gu Solution <

Fax Number: <i>Correspondence will be se</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	2027393000 patents@morga Collin W. Park 1111 Pennsylva	<i>hen the fax attempt is unsuccessful.</i> anlewis.com ania Avenue NW ISTRICT OF COLUMBIA 20004
ATTORNEY DOCKET NUM	MBER:	041501-5970
NAME OF SUBMITTER:		Robert J. Goodell
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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, Yoldo-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 assignce 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 tille to this invention in seid 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 LEST INICIAL WITHALFOL, N WITH		200000000000000000000000000000000000000
Full Name of First Assignor Young-Mi KIM	Assignor's Signature	Date July 15, 2011
403 Gangbyun Suite, 433-38, Hapjeong-dong, Map	o-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., J	uycop 2-dong, Ilsan-gu, Goyaug-si, Gyeonggi-	Citizenship Korea
do, Korea Names of additional inventors attached [X]Yes	∏ No	

IN TESTIMONY WHERE OF, UWE have hereunto set our hand(s).

DB1/67232552.1

ull Name of Third Assignor	Assignor's Signature	Date July 11.2011
o-Jia KIM	<u> </u>	
02/1506 Tanhycon Maeul 2 Danji Apt., Tanhyco	on-dong, Ilsan-gu, Goyang-si, Oyeonggi-do,	Citizenship
orea		Korea
ull Name of Fourth Assignor	Assignor's Signature	Date
hang-Hee LEE		
13/406 Olympic Family Apt., Munjeong 2-dong	, Songpa-gu, Seoul, Korea	Citizenship
		Klorea
ull Name of Fifth Assignor	Assignor's Signature	Date
ook-Heon CHAR		
/304 Banpo Hyundae Villa, 104-16, Banpo-don	g, Seocho-gu, Seoul, Korea	Citizenship
·····		Korea
ull Name of Sixth Assignor	Assignor's Signature	Date
cong-Hoon LEE		
	I National University, 599, Gwanak-ro, Gwanak-	k litizenship
1, Seoul, Korea	Korea	
	Assignor's Signature	Date
ull Name of Seventh Assignor song-Hun KWAK	Presention & Signature	101300
	Jan July m Same Kares	Citizenship
03 Hanback Ritzville, 419-15, Sadang 1-dong, Dongjak-gu, Seoul, Korea		Korea
	Assignor's Signature	Date
all Name of Eighth Assignor	essignor's Signature	Paic
/sn-Ki BAE	Den Den Z. Wards	Citizenship
102 Gwanak Maxtel, 866-11, Bongcheon-dong,	Gwanak-gu, Scoul, Korea	Korea
ull Name of Ninth Assignor	Assignor's Signature	Date
eng-Gu LEE		
)6/1605 Gwangnyeachean Metro Xi Apt., Ogok	-ri, Chirwon-myeon, Haman-gun,	Citizenship
yeongsangnam-do, Korea		Korea
ull Name of Teath Assignor	Assignor's Signature	Date
ie-Hoon LIM		<u> </u>
	, Gwanak-gu, Scoul, Korca	Citizenship
12/616 Seoul National University, Daehak-dong	,	Korea

DB1/ 67232552.1

PATENT REEL: 026680 FRAME: 0094

ASSIGNMENT

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QUANTUM BOT LIGHT EMITTING DIODE DEVICE AND DISPLAY DEVICE THEREWITH

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Full Name of First Assignor	Assignor's Signature	Date
Young-Mi KIM		
403 Ganghyun Suite, 433-38, Hapjeong-dong, Mape	>gu, Seoul, Korea	Citizenship
	Aturne	Korea
Full Name of Second Assignor	Assignor's Signature	Date 1/ 1/9
Ho-Cheol KANG		
110/801 Munchon Maeul 1 Danji Woosung Apt., Ju	yeop 2-dong, Ilsan-gu, Goyang-si, Gyeonggi-	Citizenship
do, Korea		Korea
Mames of additional inventors attached Yes	No	

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

DB1/67232552.1.

Full Name of Third Assignor Ho-Jin KIM	Assignor's Signature	Date
202/1506 Tanhyeon Maeul 2 Danji Apt., Tanhyeor Korea	i-dong, Ilsan-gu, Goyang-si, Gyeonggi-do,	Citizenship Korea
Full Name of Fourih Assignar Chang-Hee LEE	Assignor's Signature	Date
213/406 Olympic Family Apt., Munjeong 2-dong, 1	Songpa-gu, Seoul, Korea	Citizonship Korea
Full Name of Fifth Assignor Kook-Heon CHAR	Assignor's Signature	Date
A/304 Banpo Hyundae 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, Scoul gu, Scoul, Korea	National University, 599, Gwanak-ro, Gwanak-	Citizensiup Korea
Full Name of Seventh Assignor Jeosg-Hun KWAK	Assignor's Signature	Date
1009g-Hull K WARK 403 Hanbaek Ritzville, 419-15, Sadang 1-dong, Dongjak-gu, Seoul, Korea		Citizenship Korea
Full Name of Eighth Assigner	Assignor's Signature	Date
Wan-Ki BAE 1002 Gwanak Maxtel, 866-11, Bongcheon-dong, Gwanak-gu, Seoul, Korea		Citizenship Korea
Full Name of Ninth Assignor	Assignar's Signature	Date
Dong-Gu LEE 106/1605 Gwangnyescheon Metro Xi Apt., Ogok-ri, Chirwon-myeon, Haman-gun, 3yeongrangnam-do, Korea		Citizenship Korea
Full Name of Teath Assignor Jae-Hoon LIM	Assignor's Signature	Date
302/616 Seoul National University, Dachak-dong,	Gwanak-gu, Seoul, Korea	Citizenship Korea
Names of additional inventors attached XYes	X No	provo

DB1/67232552.1

ASSIGNMENT

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Full Name of First Assignor	Assignor's Signature	Date
Yonng-Mi KIM	No. Const. Katao	Citizenship
403 Gangbyun Suite, 433-38, Hapjeong-dor	ng, Mapo-gii, beuui, kunca	Kores
Fall Name of Second Assignor	Assignor's Signature	Date
Ho-Cheol KANG	Jan 2 Jan Bros m Counasi Gueonadi	Cisizenship
110/801 Munchon Maeul 1 Danji Woosung	Apt., Juycop 2-dong, lisan-gu, Goyang-si, Gyeonggi-	Kona
do. Korea Name: of additional inventors attached [X]	Yes No	

DB1/ 67232532.1

Full Name of Third Assignor	Assignor's Signature	Date
to-Jin KIM		Citizenship
10-3/1506 Tanhyeon Maeul 2 Danji Apt., Tanhyeon-dung, Ilsan-gu, Goyang-si, Gyeonggi-do,		Korea
Corea		
full Name of Fourth Assignor	Assignory Signature	Date 2011. 7. 18
Throng-Hee LEE	And	Citizenship
113/406 Olympic Femily Apt., Munjcong 2-	dong, Songpa-gu, Secul, Korca	Korea
Full Name of Fifth Assignor	Assignor's Signature	Date
Konk-Honn CHAR	1/ JXMMaan	2011. 7. 18
A/304 Banpo Hyundae Villa, 104-16, Banpo	-dong, Seochn-gu, Seoul, Korea	Citizenship Korea
Full Name of Sixth Assignor	Assignor's Signakus	Date DU D 19
Sacan Bann LER	_ Jeghonde	2011.7.18
103/322 NS60, College of Natural Sciences,	Seoul National University, 599, Gwanak-ro, Gwan	ak-Citizenship
in, Scoul, Korea		Korea
Fall Name of Seventh Assignor	Assignor's Signature	Date
Jeong-Hun KWAK		
403 Hanbaek Ritzville, 419-15, Sadang I-dong, Dongjak-gu, Seoul, Korea		Citizenship
		Korea
Full Name of Eighth Assigner	Assignor's Signature	Date
Wan-Ki BAE		
1002 Gwanak Maxtel, 866-11, Bongcheon-o	iong, Gwanak-gu, Seoul, Korea	Citizenship
		Kores
Full Name of Ninth Assignor	Assignor's Signature	Date
BADS-CULEE		
106/1605 Gwangnyeocheon Metro Xi Apt.,	Ogok-ri, Chirwon-myeon, Haman-gun,	Citizenship
Cycongsangnam-do, Korea		Korea
Fall Name of Tenth Assignor	Assignor's Signature	Date
Jae-Hoon LIM		
302/616 Seoul National University, Daebak	-dong, Gwanak-gu, Seoul, Korea	Citizenship
		Korea
Names of additional inventors attached X	Yes 🔯 No	
Names of additional inventors attached 🛛	Yes 🔯 No	

081/67232552.1

ASSIGNMENT

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Full Name of First Assignor	Assignor's Signature	Date
Young-Mi KIM		
403 Ganghyun Suite, 433-38, Hapjeong-don	ng, Mapo-gu, Seoul, Korea	Citizenship
		Korea
Full Name of Second Assignor	Assignor's Signature	Date
Ho-Cheol KANG		
110/801 Munchon Maeul 1 Danii Woosung	Apt., Juycop 2-dong, Ilsan-gu, Goyang-si, Gyconggi-	Citizenship
do, Korea		Korea
Names of additional inventors attached 🖾	Yes No	

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

OB1/67232552.1

full Name of Third Assignor	Assignor's Signature	Date
Io-Jin KIM		
202/1506 Tanhyeon Maeul 2 Danji Apt., Tanh	iyeon-dong, Ilsan-gu, Goyang-si, Gyeonggi-do,	Citizenship
Corea		Korea
full Name of Fourth Assignor	Assignor's Signature	Date
Chang-Hee LEE		
213/406 Olympic Family Apt., Munjeong 2-de	ong, Songpa-gu, Seoul, Korea	Citizenship
		Korea
Full Name of Fifth Assignor	Assignor's Signature	Date
Kook-Heon CHAR	}	
V304 Banpo Hyundae Villa, 104-16, Banpo-o	long, Seocho-gu, Scoul, Korea	Citizenship
		Korea
Full Name of Sixth Assignor	Assignor's Signature	Date
Seong-Hoon LEE		
03/322 NS60, College of Natural Sciences, S	Citizenship	
Jwansk-gu, Scoul, Korea	Korea	
Full Name of Seventh Assignor	Assignor's Signature	Date 18. Jul. 201
feong-Hun KWAK		
103 Hanback Ritzville, 419-15, Sadang 1-don	g, Dongjak-gu, Seoul, Korea	Citizenship
		Korea
Full Name of Eighth Assignor	Assignor's Signature	Date
Wan-Ki BAE		
1002 Gwanak Maxtel, 866-11, Bongoheon-do	ng, Gwanak-gu, Seoul, Korea	Citizenship
		Korea
Full Name of Ninth Assignor	Assignor's Signature	Date
Dang-Gu LEE		
106/1605 Gwangnyeocheon Metro Xi Apt., O	gok-ri, Chirwon-myeon, Haman-gun,	Citizenship
Gyeongsangnam-do, Korea		Korca
Full Name of Tenth Assignor	Assignor's Signature	Date
Ine-Hoon LIM		
302/616 Secul National University, Daehak-d	long, Gwanak-gu, Scoul, Korea	Citizenship
		Korea
Names of additional inventors attached XY	es 🛛 No	

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403 Gangbyun Suite, 433-38, Hapjeong-dong, I	Mapo-gu, Seoul, Korea	Citizenship
	· · · ·	Korea
Full Name of Second Assignor	Assignor's Signature	Date
Ho-Cheol KANG		
110/801 Munchon Macul 1 Danii Woosung Ap	t., Juyeop 2-dong, Ilsan-gu, Goyang-si, Gyeonggi-	Citizenship
de Korea		Kores
Names of additional inventors attached XYes	No	

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

D81/67232552.1

Fall Name of Third Assignor Ho-Jin KIM	Assignor's Signature	Date
202/1506 Tanhyeon Maeul 2 Danji Apt., Tai Korea	nhyeon-dong, lisan-gu, Goyang-si, Gyeonggi-do,	Citizenship Korea
Full Name of Fourth Ässignor Chang-Hee LEE	Assignor's Signature	Date
213/406 Olympic Family Apt., Munjeong 2-	dong, Songpa-gu, Scoul, Korza	Citizenship Korea
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
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403 Hanbaek Ritzville, 419-15, Sadang 1-dong, Dongjak-gu, Seoul, Korea		Citizenship Korez
Full Name of Eighth Assignor Wan-Ki BAE	Assignor's Signature	Date 7.22, 60/1
1002 Gwanak Maxtel, 866-11, Bongeheon-d		Citizenship Kurea
Full Name of Ninth Assignor Dong-Gu LEE	Assignor's Signature	Date
106/1605 Gwangnyeocheon Metro XI Apt., Ogok-ri, Chirwon-myeon, Haman-gun, Jycongsangnam-do, Korca		Citizenship Korea
Full Name of Tenth Assignor Jac-Hoon LIM	Assignor's Signature	Date
102/616 Seoul National University, Daehak-	dong, Gwanak-gu, Seoul, Korca	Citizenship Korea
Vames of additional inventors attached 🔀Y	es 🛛 No	

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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.

		Date
Full Name of First Assignor	Assignor's Signature	Wase
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Full Name of Second Assignor	Assignor's Signature	Date
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Names of additional inventors attached SYes] No	

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

DB1/67232552.1

Full Name of Third Assignor Ho-Jin KIM	Assignor's Signature	Date
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Full Name of Tenth Assignor Jae-Hoon LIM	Assignor's Signature	Date 2011. 01. 18
		Citizenship Korez
Names of additional inventors attached X	Yes 🖾 No	

DB1/67232552.1

RECORDED: 08/01/2011