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To the Honorable Commissioner of P

Atty. Docket No.: 15639-000004/US Page 1 of 1

07-30-2010



103603285

Please record the attached original do			
1. Name of conveying party(ies):	2. Name and address of receiving party(ies)		
Do-Hwan KIM,	Name: Samsung Electronics Co., Ltd.		
Sang-Yoon LEE,	Street Address: Maetan-dong, Yeongtong-gu,		
Kwanghee LEE,	Suwon-si		
Sung-Heum PARK,	City: Gyeonggi-do		
Shinuk CHO,	Country: Republic of Korea		
Jae-Kwan LEE,	Name and address of receiving party(ies)		
Alan J. HEEGER	Name: The Regents of the University of		
Additional name(s) of conveying party(ies) attached? YES NO	California		
3. Nature of conveyance:	Street Address: 1111 Franklin Street		
Assignment Merger Security Agreement	City: Oakland		
☐ Change of Name ☐ Other: Corrective	State: California Country: U.S.A.		
Assignment to correct the first assignee's address at Reel/Frame 024413/0909	Postal Code: 94607-5200		
Execution Date:	Additional name(s) & address(es) attached? 🗌 YES 🔀 NO		
Execution Bate.			
4. Application number(s) or patent number(s): If this document is being filed together with a new app	lication, the execution date of the application is:		
A. Patent Application No(s). B. Patent No.(s).			
A. Patent Application No(s).	B. Patent No.(s).		
A. Patent Application No(s). 12/656,225	B. Patent No.(s).		
	ched? YES NO		
12/656,225 Additional numbers atta 5. Name and address of party to whom correspondence concerning document should be	ched?		
12/656,225 Additional numbers atta 5. Name and address of party to whom correspondence concerning document should be mailed:	ched?		
Additional numbers atta 5. Name and address of party to whom correspondence concerning document should be mailed: Name: HARNESS, DICKEY & PIERCE, P.L.C.	ched?		
Additional numbers atta 5. Name and address of party to whom correspondence concerning document should be mailed: Name: HARNESS, DICKEY & PIERCE, P.L.C. Street Address: P.O. BOX 8910	ched?		
Additional numbers atta 5. Name and address of party to whom correspondence concerning document should be mailed: Name: HARNESS, DICKEY & PIERCE, P.L.C. Street Address: P.O. BOX 8910 City: RESTON State: VA ZIP: 20195	ched?		
Additional numbers atta 5. Name and address of party to whom correspondence concerning document should be mailed: Name: HARNESS, DICKEY & PIERCE, P.L.C. Street Address: P.O. BOX 8910	ched? YES NO 6. Total No. of applications/patents involved: One (1) 7. Total fee (37 C.F.R. § 3.41): \$40.00 Enclosed Authorized to be charged to deposit account, if no fee attached. 8. Deposit account number: 08-0750 (Attach triplicate copy of this page		
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Additional numbers atta 5. Name and address of party to whom correspondence concerning document should be mailed: Name: HARNESS, DICKEY & PIERCE, P.L.C. Street Address: P.O. BOX 8910 City: RESTON State: VA ZIP: 20195 Country: USA DO NOT USI 9. Statement and signature. To the best of my knowledge and belief, the fo copy is a true copy of the original document. John A. Castellano/35,094 Name of Person Signing/Reg. No.	ched? YES NO 6. Total No. of applications/patents involved: One (1) 7. Total fee (37 C.F.R. § 3.41): \$40.00 Enclosed Authorized to be charged to deposit account, if no fee attached. 8. Deposit account number: 08-0750 (Attach triplicate copy of this page if paying by deposit account) THIS SPACE egoing information is true and correct and any attached. July 28, 2010		

PATENT REEL: 024778 FRAME: 0720

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10 Life HULLOI	97715	rademarks: copy thereof.
1. Name of conveying party(ies):	2. Name and addre	ess of receiving party(ies)
Do-Hwan KIM,	Name:	Samsung Electronics Co., Ltd.
Sang-Yoon LEE,	Street Address:	416, Maetan-dong, Yeongong-gu,
Kwanghee LEE,		Suwon-si
Sung-Heum PARK,	City:	Gyeonggi-do
Shinuk CHO,	Country:	Republic of Korea
Jae-Kwan LEE,	1	-
Alan J. HEEGER		of receiving party(ies)
	Name:	The Regents of the University of
Additional name(s) of conveying party(ies) attached?		California
3. Nature of conveyance:	Street Address:	1111 Franklin Street
Assignment	City:	Oakland
☐ Change of Name ☐ Other:	State: California	Country: U.S.A.
Execution Date:	Postal Code:	94607-5200
03-22-2010, 03-22, 2010, 04-16-2010, 03-22-2010, 04-16-2010, 03-02-2010, 04-16-2010	Additional name(s) &	address(es) attached? TYES NO
4. Application number(s) or patent number(s): If this document is being filed together with a new ap		on date of the application is:
A. Patent Application No(s).	B. Patent No.(s).	
12/656,225		
Additional numbers atta	iched? 🗌 YES 🗵	NO
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Street Address: P.O. BOX 8910		e charged to deposit account,
City: RESTON State: VA ZIP: 20195	if no fee attac	
Country: USA	8. Deposit account number: 08-0750	
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O Chatament and signature	/ / '	V
To the best of my knowledge and belief, the fo copy is a true copy of the original document.	regoing information is	true and correct and any attached
l e e e e e e e e e e e e e e e e e e e		May 17, 2010 Date
John A. Castellano/35,094 Name of Person Signing/Reg. No.	Signature	
Total number of pages including cover s	neet, attachments, at	nd document: nine (9)
	05/18/2	JAC/mk 897308.1 818 SMOHAMME 8888839 12656225
	82 FC:8	821 40.00 OP

PATENT

REEL: 024778 FRAME: 0721

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

LIGHT EMITTING DEVICE AND METHOD OF FABRICATING THE SAME

for which Assignor is about to make or has made United States or International application for patent

(a)		executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);	
(b)		executed on,; or	
(c)	\boxtimes	filed on <u>January 21, 2010</u> , and assigned Serial No or PCT International Application No; and	

WHEREAS, Samsung Electronics Co., Ltd., 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, and The Regents of the University of California, 1111 Franklin Street, Oakland, CA 94607-5200, U.S.A., hereinafter referred to as Assignee, is desirous of acquiring all right, title, and interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor agrees to, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the invention as described in the aforesaid application and all United States Letters Patent which may be granted therefore, and all divisions, continuations, reissues, reexaminations and extensions thereof, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications or patents resulting therefrom;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.

The undersigned hereby grant(s) the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Page 1 of 2

10 Mars	IGNMENT
Do Hwan KIM March 22/20/0	
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Sang-Yoon LEE	
March 22, 2010	
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Kwanghee LEE	
Dated	
Sung-Heum PARK	
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Shinuk CHO	
Dated	
Jae-Kwan LEE	·
Dated	
Alan J. HEEGER	

Page 2 of 2

Dated

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

LIGHT EMITTING DEVICE AND METHOD OF FABRICATING THE SAME

for which Assignor is about to make or has made United States or International application for patent

(a)		executed on even date preparatory to filing (each inventor should sig Assignment on the same day as he/she signs the Declaration and F of Attorney);		
(b)		executed on,; or		
(c)	\boxtimes	filed on <u>January 21, 2010</u> , and assigned Serial No or PCT International Application No; and		

WHEREAS, Samsung Electronics Co., Ltd., 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, and The Regents of the University of California, 1111 Franklin Street, Oakland, CA 94607-5200, U.S.A., hereinafter referred to as Assignee, is desirous of acquiring all right, title, and interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor agrees to, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the invention as described in the aforesaid application and all United States Letters Patent which may be granted therefore, and all divisions, continuations, reissues, reexaminations and extensions thereof, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications or patents resulting therefrom;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

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Page 1 of 2

Do-Hwan KIM
Dated
Sang-Yoon LEE
Dated
Kwanghee LEE April 16, 2010 Dated
Kwanghee LEE
DARIL 16. 2010
Dated
Sung Heum PARK
Dated
7200
Jan
Shinuk CHO 4/16/20/0
Dated
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Jae-Kwan LEE
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Dated
/ Nege
Alan J. Herojen V
Dated /4, VO / V
Datos

PATENT REEL: 024778 FRAME: 0725

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

LIGHT EMITTING DEVICE AND METHOD OF FABRICATING THE SAME

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(a)

executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Atternation.

Assignment on the same day as he/she signs the Declaration and Power of Attorney);

(b) ____ executed on ____, ____; or

WHEREAS, Samsung Electronics Co., Ltd., 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, and The Regents of the University of California, 1111 Franklin Street, Oakland, CA 94607-5200, U.S.A., hereinafter referred to as Assignee, is desirous of acquiring all right, title, and interest therein:

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Page 1 of 2

Do-Hwan KIM	
Dated	
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Sang-Yoon LEE	
Dated	
Kwanghee ØEE	
Dated	
Suna	
Sung-Heum PARK	
March 22, 2010	
Dated	
Shinuk CHO	-
Dated	Angele Garrer en Stav Yelver Lat em try en de ha la la de de hade
Jae-Kwan LEE	-
Dated	-
Alan J. HEEGER	_

Page 2 of 2

PATENT REEL: 024778 FRAME: 0727

Dated

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Shinuk CHO		
Dated		
Jae-Kwan LEE		
2010. 3. 2 Dated	·	
Alan J. HEEGER		
Dated		

Page 2 of 2

PATENT REEL: 024778 FRAME: 0729