Docket No.: YOM-0066

FORM PTO-1595 (Modified) (Rev. 03-01)	RECORDATION FORM COVER SHEET		U.S. DEPARTMENT OF COMMERCE		
QMB No. 0861-0027 (exp.5/31/2002) P08A/REV03	<b>PATENTS ONLY</b>		Patent and Trademark Office		
Tab settings → → → ▼	₩	▼ ▼	▼	▼	
To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.					
Name of conveying party(les):     Sung-Jae MOON, Dong-Gyu KIM, Sang-Soo KIM			ECTRONICS CO., LTD.		
		Address: 416 Maetan-c	long, Paldal-ku		
Additional names(s) of conveying party(ies)					
3. Nature of conveyance:					
☐ Assignment ☐ N	Merger				
☐ Security Agreement ☐ Change of Name		City: Suwon-city State/Prov.: Kyungki-do			
Other Corrective Recordation Form Correct spelling of Rec	Country: Korea	ZIP:			
Correct spelling of Receiving Party Reel/Frame: 014716/0519 Address Execution Date: 06/30/2003		Additional name(s) & address	(es) 🗆 Yes	⊠ No	
Patent Application No. Filing da 10/714,727 11/17/200		B. Patent No.(s	)	10714727	
Name and address of party to whom correspondence concerning document should be mailed:		<u> </u>			
		or resulting or approx		<u> </u>	
Name: Jae Y. Park		7. Total fee (37 CFR 3.41):\$ 40.00			
Registration No. Limited Recognition No. L0077		7. Total fee (37 CFR 3.41):\$ 40.00  Enclosed - Any excess or insufficiency should be credited or debited to deposit account  Authorized to be charged to deposit account			
Address: CANTOR COLBURN LLP					
55 Griffin Road South		8. Deposit account number:			
City: Bloomfield State	/Prov.: <u>CT</u>	06-1130			
Country: USA ZIP:	06002	(Attach duplicate copy o	f this page if paying by deposit	t account)	
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9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Output  Description:					
Jae Y. Park		un-a	September 2	7, 2005	
Name of Person Signing Signature Date					
Total number of pages Including cover sheet, attachments, and document:					

Mail documents to be recorded with required cover sheet information to:
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**PATENT** 

REEL: 016842 FRAME: 0996

## Express Mail: Label No. EV299529264US

	Docket No.: YOM-0066	
	1 - 25 - 2003 U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
Tab settings → → → ▼		
To the Director of the United States Patent and Tracement	* ** *********************************	
1. Name of conveying party(ies): Sung-Jae Moon	2. Name and address of receiving party(ies):	
Dong-Gyu Kim Sang-Soo Kim	Name: SAMSUNG ELECTRONICS CO., LTD.	
Additional names(s) of conveying party(les)		
3. Nature of conveyance:		
🗵 Assignment 🗆 Merger		
☐ Security Agreement ☐ Change of Name	City: Suwon-city State/Prov.: Kyungki-do	
Other	Country: USA ZIP: 06002	
Execution Date: June 30, 2003	Additional name(s) & address(ss)	
Patent Application No. Filing date	B. Patent No.(s)	
Additional numbers	Yes 🛛 No	
<ol><li>Name and address of party to whom correspondence concerning document should be mailed:</li></ol>	6. Total number of applications and patents involved:	
Name: David A. Fox	7. Total fee (37 CFR 3.41):\$ 40,00	
Registration No. 38,807 Address: Cantor Colburn LLP	☑ Enclosed - Any excess or insufficiency should be credited or debited to deposit account	
55 Griffin Road South	☐ Authorized to be charged to deposit account	
	8. Deposit account number:	
City: Bloomfleld State/Prov.: CT	06-1130	
Country: USA ZIP: 06002	(Attach duplicate copy of this page if paying by deposit account)	
9. Statement and signature.	JSE THIS SPACE	
To the best of my knowledge and belief, the foregoing informa	ition is true and correct and any attached copy is a true copy	
of the original document.		
David A. Fox	November 17, 2003	
Name of Person Signing  - 1/2003 30009E8 00000057 30714727  Total humber of pages including co	Signature Over sheet, attachments, and	
	required cover sheet information to: Recordation Services Patent and Trademark Office Iddis, VA 22313-1450 REEL: 016842 FRAME: 0997	

## Express Mail Label No. EV299529264US

## ASSIGNMENT

WHEREAS, I/WE, MOON, Sung-Jae residing at 42-14, Hwigyeong 2-dong, Dongdaemun-ku, Seoul, Korea, KIM, Dong-Gyu residing at 523-1305, Poongdukcheon-ri 1167, Suji-eup, Yongin-city, Kyungki-do, Korea and KIM, Sang-Soo residing at Samsung Apt. 107-202, Daechi 1-dong, Kangnam-ku, Seoul, Korea have invented certain new and useful improvements in:

Title: DISPLAY PANEL AND LIQUID CRYSTAL DISPLAY INCLUDING SIGNAL LINES

for which I/WE have filed an application for Letters Patent of the United States;

AND WHEREAS, SAMSUNG ELECTRONICS CO., LTD., a corporation organized and existing under the laws of Korea, having a place of business at 416, Maetan-dong, Paldal-ku, Suwon-city, Kyungki-do, Korea is desirous of acquiring an interest in the United States and all foreign countries, in and to the said invention and the Letters Patent to be obtained therefor;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for and in consideration of one (\$1.00) dollar to me/us in hand paid, and other good and valuable considerations, the receipt of all of which is hereby acknowledged, I/We, the said MOON Sung-Jae, KIM Dong-Gyu and KIM Sang-Soo have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said SAMSUNG ELECTRONICS CO., LTD., the entire right, title and interest in and to said invention in the United States and in all foreign countries, including priority rights, as fully set forth and described in said application; and I/We do hereby authorize and request the Commissioner of Patents to issue said Letters Patent on said application and any and all Letters Patent that may be issued upon any and all revivals, refilings, continuations, continuation-in-part, divisions and reissues thereof, to the said SAMSUNG ELECTRONICS CO., LTD., as assignee of the entire right, title and interest in and to the same, for the sole use and behoof of SAMSUNG ELECTRONICS CO., LTD., its successors and assigns; and I/We will execute all papers necessary in connection with the United States applications and foreign applications when called upon to do so by the said SAMSUNG ELECTRONICS CO., LTD., its

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PATENT REEL: 016842 FRAME: 0998 successors or assigns, and that I/We will, at the cost and expense of the said SAMSUNG ELECTRONICS CO., LTD., fully assist and cooperate in all matters in connection with the United States and foreign applications and patents issuing thereon.

The undersigned declare that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: June 30, 2003

Moon Sungae L.S.
MOON.Sung-Jae

Date: June 30, 2003

KIM ISONO-CVII

Date: June 30, 2003

RECORDED: 09/27/2005

KIM, Sang-Soo