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1. Name of conveying parties: (1) Jong-Hoon OH (2) Jin-Soo KIM (3) Nam-Mi KIM (4) Chang-Hwan HWANG 2. Name and Address of receiving party: SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-Dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742 Republic of Korea 3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name Other: Execution Dates: (1) April 1, 2006. (2) March 31, 2006. (3) March 30, 2006 and (4) March 31, 2006 4. Application number(s): or patent number(s): ☑ This document is being filed after filing of the application: (a) Patent Application No(s). , filed; or (b) Patent No(s). , issued 5. Name and address of party to whom correspondence concerning document should be mailed: STAAS 8 HALSEY LIP Our Docket: 1860.1139 Attention: William F. Herbert 1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005 6. Total number of applications and patents involved:1 7. Total fee (37 CFR 3.41)		© 2005 Staas & Halsey LLP		
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(2) Jin-Soo KIM (3) Nam-Mi KIM (4) Chang-Hwan HWANG 2. Name and Address of receiving party: SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-Dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742 Republic of Korea 3. Nature of conveyance: X Assignment	1.	Name of conveying parties:	103217994	Ç
SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-Dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742 Republic of Korea 3. Nature of conveyance: X		(2) Jin-Soo KIM (3) Nam-Mi KIM		2.7 2.7 3.0 3.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4
416, Maetan-Dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742 Republic of Korea 3. Nature of conveyance:	2.	Name and Address of receiving party:		,
X		416, Maetan-Dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742	D.	
4. Application number(s) or patent number(s): ☐ This document is being filed together with a new application. OR ☐ This document is being filed after filing of the application: (a) Patent Application No(s)., filed; or (b) Patent No(s)., issued. 5. Name and address of party to whom correspondence concerning document should be mailed: STAAS & HALSEY LLP Our Docket: 1860.1139 Attention: William F. Herbert 1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005 6. Total number of applications and patents involved:1 7. Total fee (37 CFR 3.41)	3.	X Assignment Security Agreement Other:	Change of Name	
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STAAS & HALSEY LLP Attention: William F. Herbert 1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005 6. Total number of applications and patents involved:1 7. Total fee (37 CFR 3.41)	4.	 ☐ This document is being filed togethe ☐ OR ☐ This document is being filed after fili (a) Patent Application No(s). , filed 	er with a new application. Ing of the application:	
7. Total fee (37 CFR 3.41)	5.	STAAS & HALSEY LLP Attention: <u>William F. Herbert</u> 1201 New York Ave., N.W., Suite 700		
Enclosed Authorized to be charged to deposit account. 8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account (Attach duplicate copy of this page if paying by deposit account) William F. Herbert, Reg. No. 31,024 Name of Person Signing Total number of pages including cover she	6.	Total number of applications and patent	s involved: 1	
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PATENT REEL: 017771 FRAME: 0658

Docket No. 1860.1139

U.S. ASSIGNMENT

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IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-Dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742 Republic of Korea

RECORDED: 04/07/2006

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

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(b) filed on,	Any registered attorney of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is
Serial No;	hereby authorized to insert in (b) the specified data, when known.
to do all acts which the ASSIGNEE may deem necess said invention, including in the preparation and prose interference, reissue, reexamination, or public use prodeclared in relation to same, such acts to include but declarations, taking all rightful oaths, providing sworn IN WITNESS WHEREOF, the undersigned inventor (Typed Name & Signature of Inventor(s)) Jong-Hoon OH 2) Jin-Soo KIM 3) Com Dom M:	
Nam-Mi KIM 4) C. At. Atward Chang-Hwan HWANG 5)	
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PATENT REEL: 017771 FRAME: 0659