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ttorney Docket: 8836-318 (IB14359-US)

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

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1/24/6 R SHEET					
To the Honorable Commissioner of ratents and Trademarks: Ple	ase record the attached original documents or copy thereof.				
1. Name of conveying party(ies): Woo-Seong CHEONG Additional name(s) of conveying party(ies)	2. Name and address of receiving party(ies): Name: SAMSUNG ELECTRONICS CO., LTD.				
attached? Yes No	Yeongtong-qu, Suwon-si, Gyeongqi-do, $\overset{\circ}{,}\overset{,}\overset{\circ}{,}$				
3. Nature of conveyance: ☐ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name	Republic of Korea Additional name(s) & address(es) attached:				
□ Other	□ Yes ⊠ No				
Execution Date: January 12, 2006					
of the application is: <u>January 12, 2006</u>	with a new application, the execution date				
A. Patent Application No.(s)	B. Patent No.(s)				
Additional numbers a	ttached? 🗆 Yes 🖪 No				
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: <u>1</u>				
Name: Frank Chau, Esq. Street Address: F. CHAU & ASSOCIATES, LLC 130 Woodbury Road City: Woodbury State: NY Zip: 11797	7. Total fee (37 C.F.R. §3.41): \$40.00 Credit Card Payment Form PTO-2038 enclosed Authorized to be charged to deposit account				
1/2006 JBALINAN 00000073 11338219 C:8021 (0.00 OP)	8. Deposit account number: (Attach duplicate copy of this page if paying by deposit account)				
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9. Statement and signature. To the best of my knowledge and belief, correct and any attached copy is a true					
Koon Hon Wong Registration No. 48,459 Name of Person Signing Signature Date					
Total number of pages including cover sheet, attachments and documents: 3					
Mail documents to be recorded with required cover sheet information to: Commissioner for Patents					
Mail Stop Assignments, PO Box 1450 Alexandria VA 22313-1450					
Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Alexandria VA 22313, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Alexandria VA 22313.					

ASSIGNMENT

DOCKET NO.: 8836-318 (IB14359-US)

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that: IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE: Samsung Electronics Co., Ltd.

ADDRESS: 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, KOREA

Who is my Assignee, and to the successes and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

SATA DEVICE HAVING SELF-TEST FUNCTION FOR OOB-SIGNALING TITLE:

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment or indicates an attorney docket no. 8836-318 (IB14359-US), or is more particularly identified as:

executed o	on even date here	with, c	or							
Serial No)	filed	in	the	U.S.	Patent	&	Trademark	Office	on
 or	,									
executed o	n .									

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and reexamined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said SAMSUNG ELECTRONICS CO., LTD., my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of any certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee;

AND I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request Frank Chau, Reg. No. 34,136, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Page 1 of 2

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

INVENTOR(S)

Date Signed

WOO-SEONG CHEONG

2006 01 12

Form PTO-1595 1-31-92

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RECORDATION FORM COVER SHEET PATENTS ONLY

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<pre>1. Name of conveying party(ies):</pre>	2. Name and address of receiving party(ies): Name: SAMSUNG ELECTRONICS CO., LTD. Internal Address: 416, Maetan-dong,					
3. Nature of conveyance:	Yeonqtonq-qu, Suwon-si, Gyeonqqi-do,					
☑ Assignment ☐ Merger	Republic of Korea					
☐ Security Agreement ☐ Change of Name	Additional name(s) & address(es) attached:					
□ Other	Additional name(s) & address(es) attached:					
Execution Date: <u>January 12, 2006</u>	Li les Es No					
4. Application number(s) or patent number(s):					
	with a new application, the execution date					
A. Patent Application No.(s)	B. Patent No.(s)					
Additional numbers at	ttached? 🗆 Yes 🗵 No					
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: <u>1</u>					
Name: Frank Chau, Esq.	7. Total fee (37 C.F.R. §3.41): \$40.00					
Street Address: F. CHAU & ASSOCIATES, LLC	■ Credit Card Payment Form PTO-2038					
130 Woodbury Road	enclosed					
City: Woodbury State: NY Zip: 11797	Authorized to be charged to deposit account					
	8. Deposit account number:					
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DO NOT USE	THIS SPACE					
9. Statement and signature. To the best of my knowledge and belief, correct and any attached copy is a true	the foregoing information is true and copy of the original document.					
Koon Hon Wong Registration No. 48,459 Name of Person Signing Name of Person Signing Name of Person Signing						
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3. Nature of conveyance:	113			
☑ Assignment ☐ Merger	Republic of Korea			
\square Security Agreement \square Change of Name	Additional name(s) & address(es) attached:			
□ Other	☐ Yes ⊠ No			
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If this document is being filed together of the application is: <u>January 12, 2006</u>	with a new application, the execution date			
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City: Woodbury State: NY Zip: 11797	$^{\square}$ Authorized to be charged to deposit account			
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9. Statement and signature. To the best of my knowledge and belief, correct and any attached copy is a true	the foregoing information is true and copy of the original document.			
Koon Hon Wong Registration No. 48,459	6 H L 1-23-06			
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