Attorney Docket: 8836-237 (ID12243-US) Form PTO-1595 U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office 1-31-92 EET 102710063 .tached original documents or copy thereof. To the Honorable Commissioner of Pate.... 2. Name and address of receiving Name of conveying party(ies): party(ies): Young-Ho SUH, Kyo-Min SOHN Name: SAMSUNG ELECTRONICS CO., LTD Internal Address: 416, Maetan-dong Additional name(s) of conveying party(ies) attached? □ Yes ☒ No Yeongtong-qu, Suwon-si, Gyeonggi-do Republic of Korea 3. Nature of conveyance: Additional name(s) & address(es) attached: ■ Assignment □ Merger □ Yes ⊠ No ☐ Security Agreement ☐ Change of Name □ Other __ Execution Date: March 6, 2004 (YHS) 10802210 March 15, 2004 (KMS) Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: : March 6, 2004 (YHS) March 15, 2004 (KMS) B. Patent No.(s) Patent Application No.(s) Additional numbers attached? □ Yes ☑ No 5. Name and address of party to whom Total number of applications and correspondence concerning document patents involved: 1 should be mailed: Total fee (37 C.F.R. §3.41): \$40.00 Name: Frank Chau, Esq. ■ Credit Card Payment Form PTO-2038 is Street Address: F. CHAU & ASSOCIATES, LLC enclosed ☐ Authorized to be charged to deposit 1900 Hempstead Turnpike, Suite 501 account City: East Meadow State: NY Zip: 11554 Deposit account number: 63/16/2004 KBETEMA1 00000082 10802210 (Attach duplicate copy of this page if 01 FD:8021 40.00 OP paying by deposit account)

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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.

Benjamin M. Halpern

Registration No. 46,494

Name of Person Signing

Bi-n. Ill

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ASSIGNMENT

DOCKET NO.: 8838-237 (ID12243-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, Mactan-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:

TITLE:

SEMICONDUCTOR MEMORY DEVICE WITH STANDBY CURRENT FAILURE JUDGING FUNCTION AND METHOD FOR JUDGING STANDBY CURRENT FAILURE

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. 8836-237 (ID12243-US) or is more particularly identified as:

G	executed on even date herewith, or		
G	Serial No	filed in the U.S. Patent & Trademark Office on	
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all cer examin patent my As terms, fully a	tificates of ned patents, when grante signee, its so or any extend and entirely a	nited States patents which may be granted thereon and therefore, and in and to corrections, divisions, continuations, continuations-in-part, reissued and reand to any extensions thereof, said interest being the entire ownership of the d, to be held and enjoyed by said SAMSUNG ELECTRONICS CO., LTD., accessors, assigns or other legal representatives, to the full end of the term, asion or renewal thereof, for which said patent or patents may be granted, as as the same would have been held and enjoyed by me or us if this assignment, the 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, reexamination, 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 <u>Frank Chau, Reg. No. 34,136</u>, 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

VOING-HO SUP

6. Mar. 2004

2) Ryo-Min John

15. Man 2004

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RECORDED: 03/17/2004

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

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Additional name(s) of conveying party(ies) attached? □ Yes 図 No	Yeongtong-gu, Suwon-si, Gyeonggi-do,		
3. Nature of conveyance:	Republic of Korea		
⊠ Assignment □ Merger	Additional name(s) & address(es) attached:		
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Other			
Execution Date: <u>March 6, 2004 (YHS)</u>			
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4. Application number(s) or patent number(s):			
If this document is being filed together of the application is: : March 6, 2004	with a new application, the execution date (YHS) March 15, 2004 (KMS)		
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Name: Frank Chau, Esq. Street Address: F. CHAU & ASSOCIATES, LLC 1900 Hempstead Turnpike, Suite 501 City: East Meadow State: NY Zip: 11554	7. Total fee (37 C.F.R. §3.41): \$40.00 ■ Credit Card Payment Form PTO-2038 is enclosed □ Authorized to be charged to deposit account 8. Deposit account number:		
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