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Execution Date(s) Additional name(s) of conveying party(ies) attached? 3. Nature of conveyance: X Assignment Merger Change of Name Government Interest Assignment Executive Order 9424, Confirmatory License Other 4. Application or patent number(s): X THE A. Patent Application No.(s) 7/2005 SHIMASSI 00000004 11113868	Bubal-eub, Icheon-si, Kyoungki-do, Republic of Korea City:
	s attached? Yes X No
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Richard J. Streit Internal Address: Street Address: c/o Ladas & Parry	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Example 1.21(h) & 3.41) \$ 40.00
224 South Michigan Avenue	None required (government interest not affecting title)
City: Chicago State: Illinois Zip: 60604	8. Payment Information a. Credit Card Last 4 Numbers Expiration Date
Phone Number: (312) 427-1300 Fax Number: Email Address:	b. Deposit Account Number 12-0400 Authorized User Name Ladas & Parry LLP
9. Signature: Richard J. Streit Name of Borrow Signing	April 25, 2005 Date Total number of pages including cover sheet, attachments and documents: 3

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PATENT

REEL: 016509 FRAME: 0333

UNITED STATES OF AMERICA ASSIGNMENT

In consideration of the payment of ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for the other good and valuable consideration,

ASSIGNOR:

Name: Nak Kyu PARK

Address: 702-1301, Hyundai 7th Apt., 753, Ami-ri, Bubal-eub, Ich'on, Kyoungki-do, Korea

Name: Seong Ik CHO

Address: 107-1703, Seongwon Apt., 762-2, Seosin-dong, Wansan-gu, Jeonju, Jeollabuk-do,

Korea

(INVENTOR NAME AND ADDRESS)

hereby sells, assigns and transfers to

ASSIGNEE:

Name: Hynix Semiconductor Inc.

Address: San 136-1, Ami-ri, Bubal-eub, Icheon-si, Kyoungki-do, Korea

(ASSIGNEE NAME AND ADDRESS)

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to, any and all improvements which are disclosed in the invention entitled:

ON-DIE TERMINATION IMPEDANCE CALIBRATION DEVICE

(TITLE)

and which	is found in (check one applicable item below)	
X	U.S. patent application executed on even date her	rewith
	U.S. Application Serial No.	filed on

and, in and to all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, substitute, reissue or re-examination thereof.

ASSIGNOR hereby convenants that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further convenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters

PATENT REEL: 016509 FRAME: 0334 Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/we have set our hand and seal

April 18, 2005	Park, Dale Kogu
Date	INVENTOR: Nak Kyu PARK
April 15, 2005	Sichro
Date	INVENTOR: Seong Ik CHO

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RECORDED: 04/25/2005

PATENT REEL: 016509 FRAME: 0335