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FORM PTO-159: RECORDATION FURIN U.S. DEPARTMENT OF COMMERCE (Rev. 08/05) Patent and Trademark Office PATENTS ONLY Docket No.: 070679-0202 To the Director of the U. S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. 1. Name of Conveying Party(ies) 2. Name and address of receiving party(ies) Sang-Jin BYEON HYNIX SEMICONDUCTOR INC. S Name: Internal Address: Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of Conveyance/Execution Date(s) Address: San 136-1, Ami-ri, Execution Date(s): December 20, 2006 Bubal-eub, Ichon-shi, Assignment Assignment ☐ Merger Kyoungki-do 467-860, Republic of Korea Security Agreement Change of Name ☐ Joint Research Agreement Government Interest Assignment Executive Order 9424, Confrmatory License Additional name(s) & address(es) attached? \(\subseteq \text{Yes} \subseteq \text{No} \) Other 4. Application or patent number(s): This document is being filed together with a new application. A. Patent Application No(s). B. Patent No(s). Additional numbers attached? Yes No 5. Name and address to whom correspondence concerning 6. Total number of applications and patents document should be mailed: involved: Name: MCDERMOTT WILL & EMERY LLP 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged by credit card Internal Address: Authorized to be charged to deposit account Street Address: 600 13th Street, N.W. Enclosed None required (government interest not affecting title)nt 20005-3096 D.C. Zip: City: Washington State: 8. Payment Information: Phone Number: 202.756.8000 Fax Number: 202.756.8087 Credit Card Last 4 Numbers a. Email Address: **Expiration Date** Deposit Account Number 500417 Authorized User Name 9. Signature. December 29, 2006 Stephen A. Becker 26, 527 **⋥**Date Signature Name and Registration No. of Person Signing Total number of pages including cover sheet, attachments and documents: OMB No. 0651-0027 (exp. 6/30/2008)

> PATENT REEL: 018750 FRAME: 0642

(SAB)
Docket No.:
ASSIGNMENT
In consideration of the premises and other good and valuable consideration in hand paid, the rece ipt and sufficiency of which is hereby acknowledged, the undersigned, BYEON, Sang-Jin
who has made a certain new and useful invention, hereby sells, assigns and transfers unto Hynix Semiconductor Inc.
its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled INTERNAL VOLTAGE GENERATOR FOR USE IN SEMICONDUCTOR MEMORY DEVICE
(a) for which an application for United States Letters Patent was filed on an identified by United States Serial No.
(b) for which an application for United States Letters Patent was executed on
and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;
AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.
SIGNED on the date indicated aside my signature:
INVENTOR DATE SIGNED
BYZOH Saug Jan December 20, 2006 Name: RYEON, Sang-Jin

RECORDED: 12/29/2006

PATENT REEL: 018750 FRAME: 0643