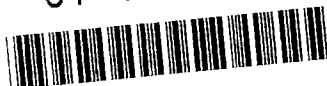


01-14-2005

by Docket No. 00939H-089600US

U.S. DEPARTMENT OF COMMERCE
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102920364
ENTRIES ONLY

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)/Execution Date(s):

Kyung-Hoon Kim

Execution Date(s) December 7, 2004

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Hynix Semiconductor Inc.

Internal Address: _____

Street Address: San 136-1, Ami-ri, Bubal-eub

City: Ichon-shi

State: Kyoungki-do

Country: South Korea Zip: 467-860

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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 document should be mailed:

Name: Babak S. Sani

Internal Address: _____

TOWNSEND AND TOWNSEND AND CREW LLP

Street Address: Two Embarcadero Center,
Eighth Floor

City: San Francisco

State: California Zip: 94111-3834

Phone Number: (415) 576-0200

Fax Number: (415) 576-0300

Email Address: bss@townsend.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
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8. Payment Information

a. Credit Card Last 4 numbers _____
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Authorized User Name Townsend and

Townsend and Crew LLP

9. Signature: _____

Signature

December 30, 2004

Date

Babak S. Sani

Name of Person Signing Atty. Reg. No. 37,495

Total number of pages including cover sheet, attachments, and documents: 3

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PATENT
REEL: 016146 FRAME: 0593

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, KIM, Kyung-Hoon
of San 136-1, Ami-ri, Bubal-eub, Ichon-shi, Kyoungki-do 467-860, Republic of Korea
hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

DUTY CYCLE CORRECTION APPARATUS AND METHOD FOR
Title of Invention: USE IN A SEMICONDUCTOR MEMORY DEVICE

Date(s) of execution of Declaration: _____

Filing Date: _____

Application No.: _____; and

WHEREAS, Hynix Semiconductor, Inc. of San 136-1, Ami-ri, Bubal-eub, Ichon-shi, Kyoungki-do 467-860, Republic of Korea hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

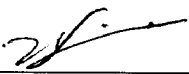
For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignor hereby authorizes and requests Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date : December 7, 2004



KIM, Kyung-Hoon

WITNESSED BY:

Name: _____

Address: 2F, Line Bldg., 823-30, Yeoksam-dong, Kangnam-ku, Seoul 135-080, Republic of Korea

Date: _____