

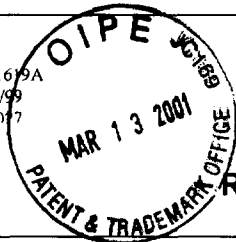
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FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027

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Attorney Docket No. 0939H-079900US

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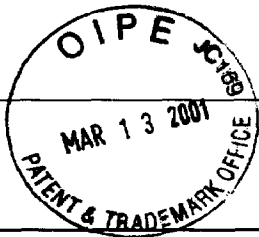
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415-576-0200

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Patent Number(s)

09/703,406

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

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Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

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1

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Babak S. Sani

March 8, 2001

Name of Person Signing

Signature

Date

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, LEE, Seong-Hoon and Yang, Jung-II of San 136-1, Ami-ri, Bubal-eub, Ichon-shi, Kyoungki-do
467-860, Republic of Korea

hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for Untied States Letters Patent:

Title of Invention: DELAY LOCKED LOOP FOR USE IN SYNCHRONOUS
DYNAMIC RANDOM ACCESS MEMORY

Date(s) of execution of Declaration: _____

Filing Date: October 31, 2000

Application No.: 09/703,406 ; and

WHEREAS, HYUNDAI ELECTRONICS INDUSTRIES CO., LTD., a CORPORATION, located at 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 Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and intrest 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 the same in the United States and all countries throughout hte 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 Assignors had this Assignment not been maed, 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.

Assignors further agree that they 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 patent 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 invenion and improvemecnts in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dares indicated.

Dated: DEC. 22, 2000

Lee Seonghoon
LEE, Seong-Hoon

Dated: DEC. 02 2000

Jung Jung Il
Yang, Jung-II

Dated: _____
