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Name(s) of CONVEYING Party or Parties:

Ho Youb CHO
Jin Keun OH

Name(s), Address(es) of RECEIVING Party (Parties):

Hundai Electronics Industries Co., Ltd.
San 136-1, AMi-ri, Bubal-cub, Ichon-shi,
Kyoungki-do, Korea

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Number of Applications/Patents Involved: 1

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Signature: ✓

Date: ✓ 12/21/99

Name of Person Signing: Allen S. Melsner, #27,215

Number of pages submitted (incl. cover sheet): 2

Commissioner of Patents and Trademarks, BOX ASSIGNMENTS, Washington, D.C. 20231

ASSIGNMENT OF UNITED STATES APPLICATION FOR PATENT

UNFILED APPLICATION MULTIPLE INVENTORS

Whereas the undersigned (1) Ho Youb CHO, (2) Jin Keun OH and (3) _____, have invented certain improvements in _____

"A SELF-REFRESH APPARATUS FOR A SEMICONDUCTOR MEMORY DEVICE"

for which an application for Letters Patent of the United States of America:

<input checked="" type="checkbox"/>	was executed on even date herewith
<input type="checkbox"/>	was filed on _____ and was assigned Application No. _____

Whereas, Hyundai Electronics Industries Co., Ltd., (hereinafter referred to as Assignee) a corporation of Korea and having an address San 136-1, Ami-ri, Bubal-eub, Ichon-shi, Kyoungki-do, Korea is desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor:

NOW, THEREFORE, in consideration of One Dollare (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledge, the undersigned by these presents, hereby assing, sell and transfer unto the said Assignee, for the territory of the United States of America, all right, title and interest in and to said invention and application, and any and all divisions or continuations thereof, and in and to any Letters Patent that my be granted therefor together with any reissues, extensions or renewals thereof, the same to be held and enjoyed by the Assignee for Assignee's own use and behoof, and for Assignee's legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by the undersigned had this Assignment and same nto been made; and the udnersigned, and legal representatives thereof, hereby covenant and agree to execute and deliver any and all paters, and do all lawful acts that said Assignee may consider necessary or advisable to perfect title to said invention and to obtain Letters Patent therefor, and agree at any time upon request, to communicate to said Assignee, Assignee's successors, and agree at any time upon request, to communicate to said Assignee, Assignee's successors and assigns, such facts relating to said invetnion and letters Patent or the interferences, opposition as may be known to the undersigned and testify as to the same in any interferences, opposition or other litigation, when requested to do so, all without further consideration than that now paid, but at the expense of the said Assignee, Assignee's successors or assigns.

We authorize our attorneys at THELEN REID & PRIEST L.L.P. to insert into this Assignment document any identifying information concerning this patent application, such as its title, filing date and application number.

HO Youb CHO
First Inventor Ho Youb CHO

Nov. 22, 1999
Date

Jin Keun OH.
Second Inventor Jin Keun OH

Nov. 22, 1999
Date

Third Inventor

Date

Fourth Inventor

Date

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