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R LETTER

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

Attorney Docket No.: 81790.0250 To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof. Name of conveying party(ies): 2. Name and address of receiving party(ies): Kazuaki KAWAGUCHI KABUSHIKI KAISHA TOSHIBA Shigeo OHSHIMA 1-1 Shibaura 1-Chome, Minato-ku, Tokyo, Japan Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No 3. Nature of conveyance: Assignment Execution Date: September 12, 2002 Additional name(s) & address(es) attached? ☐ Yes ☒ No 10244962 Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: September 12, 2002 A. Patent Application No.(s) N/A B. Patent No.(s) N/A Additional numbers attached?

Yes No 6. Total number of applications and patents involved: [1] Name and address of party to whom correspondence concerning document should be mailed: Michael L. Crapenhoft, Esq. 7. Total fee (37 CFR 3.41) \$40.00 HOGAN & HARTSON L.L.P. 500 South Grand Avenue, Suite 1900 Los Angeles, CA 90071 Authorized to be charged to deposit account 8. Deposit account number: 50-1314 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE Statement and signature. **4** belief, the foregoing is true and correct and any attached copy is a true copy of the original document. Date: September 17, 2002 hthony J. Orler OMB No. 0651-0011 (exp. 4/94) Mail documents to be recorded with required cover sheet information to: **Assistant Commissioner for Patents** 00000102 10244962 09/23/2002 DBYRNE **Box Assignments** Washington, D.C. 20231 40.00 DP FC:581

> PATENT REEL: 013308 FRAME: 0956

ASSIGNMENT

In consideration of value received, I, having a mailing address at c/o Intellectual Property Division, KABUSHIKI KAISHA TOSHIBA, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan and a residence as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

SYNCRONOUS SEMICONDUCTOR MEMORY DEVICE

said application having been filed on and assigned Application No. ; sell and assign to KABUSHIKI KAISHA TOSHIBA a corporation of Japan, having a business address at 1-1 Shibaura 1-chome, Minato-Ku, Tokyo, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent: (check one)

imes executed concurrently herewith:

executed separately herefrom;

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration. but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invension in all countries.

I hereby grant the following law firm the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the U.S. Patent and Trademark Office for recordation of this document.

Hogan & Hartson L. L. P., Biltmore Tower, 500 South Grand Avenue, Suite 1900, Los Angeles, California 90071, U. S. A.

PATENT REEL: 013308 FRAME: 0957

ASSIGNMENT

Inventor: (Signature)	Date	Residence
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