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Yes 

No Total number of applications and patents involved 5. Name and address of party to whom correspondence concerning document should be mailed: Name: GRACE L. PAN, ESQ. Total fee (37 CFR 3.41) \$ 40.00 Internal Address: FROMMER LAWRENCE & HAUG LLP Authorized to be charged to deposit account 50-0320 Street Address: 745 FIFTH AVENUE Deposit account number: 50-0320 City: NEW YORK State: N.Y. Zip: 10151 (Attach duplicate copy of this page if paying by deposit account) Do not use this space g Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Grace L. Pan April 15, 2004 Date Name of Person Signing Total number of pages including cover sheet, attachments, and document: 3 Do not detach this portion Mail documents to be recorded with required cover sheet information to:

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## ASSIGNMENT

In consideration of value received, I, having a mailing address at c/o Intellectual Property Division, Toshiba Corporation, 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:

TRENCH DRAM WITH DOUBLE-GATED TRANSISTOR AND METHOD OF MANUFACTURING THE SAME

said application having been filed on December 23, 2003 and assigned Application No. 10/744,818; 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)

- × 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.

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Frommer Lawrence & Haug LLP, 745 Fifth Avenue, New York, NY 10151

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Inventor: (Si	ignature)	Date	Residence
Porto A	atomata	MAR. 12. 2004	Yokohama-shi, Japan
Ltol (	Ca	MAR. 12. 2004	Kawasaki-shi, Japan
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