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Form PTO-1592 (modified)	'9975
To the Honorable Commissioner of Patents and I	iments or copies thereof:
1. Name of Conveying Party or Parties: Yoshiaki FUKUZUMI Yusuke KOHYAMA  Additional Names of conveying party or parties attached?  □ Yes ■ No	2. Name and address of receiving party or parties:  KABUSHIKI KAISHA TOSHIBA 72 Horikawa-cho, Saiwai-ku Kawasaki-shi, Japan
3. Nature of Conveyance:  Assignment	Additional Name(s) and address(es) attached?   Yes No
4. Application Number(s) or Patent Number(s):  If this document is being filed together with a new application, the execution.  A. Patent Application Number(s):	ation date of the application is: March 25, 1999  B. Patent Number(s):
Additional Name(s) and address(es) attached?   Yes No  No  Name and address of party to whom correspondence concerning	6. Total Number of Applications and patents involved: 1
the document should be mailed:  BANNER & WITCOFF, LTD.  11th Floor  1001 G Street, N.W.  Washington, D.C. 20001-4597	7. Total fee (37 CFR 3.41) \$ 40.00  Enclosed  Authorized to be charged to deposit account  Please charge or credit our deposit account for any additional or refunded fees associated with recording this assignment  8. Deposit Account No.:  19-0733 (in the event additional fees are required)
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9. Statement and Signature:  To the best of my knowledge and belief, the foregoing information document.  Joseph M. Potenza, Reg. No. 28.175  Name of Person Signing  Signature	in is true and correct and any attached copy is a true copy of the original  Spling Mallock  Date
	Total Number of Pages including Cover Sheet: 3

PATENT REEL: 9887 FRAME: 0114

## ASSIGNMENT

In consideration of value received, I, having a post office 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:

## STORAGE CAPACITOR HAVING UNDULATED LOWER ELECTRODE FOR A SEMICONDUCTOR DEVICE

said application having been filed on and assigned Serial No.; sell and assign to KABUSHIKI KAISHA TOSHIBA a corporation of Japan, having a business address at 72 Horikawa-cho, Saiwai-ku, Kawasaki-shi, 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)

 $\times$  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.

Banner & Witcoff, Ltd., 11th Floor, 1001 G Street, N.W., Washington, D.C. 20001-4597

PATENT REEL: 9887 FRAME: 0115

## ASSIGNMENT

Inventor: (Signature)	Date	Residence
Joshiaki Fikuzumi	MAR. 25. 1999	Yokohama-shi, Japan
Visuke Kohyama	MAR. 25. 1999	Yokosuka-shi, Kanagawa-ken, Japan

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