Form PTO-1592 (modified)

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copies thereof:			
1. Name of Conveying Party or Parties: 1. Koji Hosono 2. Tamio Ikehashi 3. Tomoharu Tanaka 4. Kenichi Imamiya 5. Hiroshi Nakamura 6. Ken Takeuchi Additional Names of conveying party or parties attached? ☐ Yes ■ No 3. Nature of Conveyance: ■ Assignment ☐ Merger □ Security Agreement ☐ Change of Name □ Other Execution Date: October 26, 2001	2. Name and address of receiving party or parties: Kabushiki Kaisha Toshiba 1-1, Shibaura 1-chome, Minato-ku, Tokyo, JAPAN 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 A. Patent Application Number(s): Additional Name(s) and address(as) attached? Yes No	execution date of the application is: <u>October 26, 2001</u> B. Patent Number(s):		
5. Name and address of party to whom correspondence concerning the document should be mailed: Joseph M. Potenza Banner & Witcoff, Ltd. 1001 G Street, N.W., Suite 1100 Washington, D.C. 20001-4597	 6. Total Number of Applications and patents involved: 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 		
Do Not Use this Space 1/06/2001 TDIAZ1 00000078 190733 09985017 1 FC:581 40.00 CH 9. 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. Christopher R. Glembocki, Reg. No. 38,800 Name of Person Signing Signature Total Number of Pages including Cover Sheet: 3			

PATENT

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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:

FAIL NUMBER DETECTING CIRCUIT OF FLASH MEMORY

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 nominces, 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

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Inventor: (Signature)	Date	Residence
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Tamio Ikehashi	OCT. 26. 2001	Yokohama-shi, Japan
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