PATEN To the Honorable Commissioner of Patents and Trademarks.	
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
Isao KATAYAMA	Name: KABUSHIKI KAISHA TOSHIBA
	Address: 1-1 Shibaura 1-chome, Minato-ku, Tokyo, Japan
Additional name(s) of conveying party(ies) attached? 🛛 Yes	■Nº ^L o
3. Nature of Conveyance:	
Assignment 🗆 Merger	
 Security Agreement Change of Name Other 	
Execution Date: February 17, 2003	Additional name(s) and address(es) attached? Yes No
Application number(s) or patent number(s):	
If this document is being filed together with a new application	n, the execution date of the application is: February 17, 2003
A. Patent Application No.(s) $/03723/9$	B. Patent No.(s)
Additional numbers	attached? 🗆 Yes 🔳 No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total applications and patents involved: 1
L MARINE MARINE MARINE MARINE MARINE MARINE	7. Total fee (37 CFR 3.41): \$40.00
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22850	8. Deposit account number: 15-0030
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PATENT REEL: 013810 FRAME: 0986

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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:

INSTRUCTION CACHE, AND MICROPROCESSOR AND METHOD OF DESIGNING THE SAME

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)

 \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 palents. 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.

Oblon, Spivak, McClelland, Maier & Neustadt, P.C., 1940 Duke Street, Alexandria, Virginia 22314

> PATENT REEL: 013810 FRAME: 0987

Inventor: (Signature)	Date	Residence
Isao Katayama Isao Katayama	FEB. 1 7.2003	Chigasaki-shi, Japan

RECORDING OFFICER: After recording please return to: Oblon, Spivak, McClelland, Maier & Neustadt, P.C.,

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