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Hirohisa MIYAMOTO, Norihiro TOMIMATSU and Nobuo SHIBUYA	Name: KABUSHIKI KAISHA TOSHIBA	
	Address: 1-1 Shibaura 1-chome, Minato-Ku, Tokyo, Japan	
Additional name(s) of conveying party(ies) attached? Yes No	· · ·	
3. Nature of Conveyance:	1	
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☐ Security Agreement ☐ Change of Name ☐ Other		
Execution Date: January 23, 2004	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 e	xecution date of the application is:	
A. Patent Application No.(s)	B. Patent No.(s)	
10/742,823		
Additional numbers attach	ed? □ Yes ■ No	
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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:

DIRECT METHANOL FUEL CELL SYSTEM, PORTABLE ELECTRONIC APPLIANCE, AND METHOD OF DETECTING AN AMOUNT OF LIQUID FUEL REMAINING IN DIRECT METHANOL TYPE FUEL CELL SYSTEM

said application having been filed on December 23, 2003 and assigned Application No. 10/742,823; 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)

- X 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.

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

PATENT REEL: 015401 FRAME: 0817

ASSIGNMENT

Inventor: (Signature)	Date	Residence	
Pairolisa Miyamoto	JAN 23.2004	Kamakura-shi, Japan	
Northiro Tomimatsu	JAN. 23. 2004	Kawasaki-shi, Japan	
Nobuo Shibuya Nobuo Shibuya	JAN. 23. 2004	Hiratsuka-shi, Japan	
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PATENT REEL: 015401 FRAME: 0818