

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Director of the United States Patent and Trademark Office	original documents or copy thereof.
Name of conveying party(ies): Keitaro SHIGENAKA and Yoshinori IIDA	Name and address of receiving party(ies): Name: KABUSHIKI KAISHA TOSHIBA
Additional name(s) of conveying party(ies) attached? 🗆 Yes	Address: 1-1 Shibaura 1-chome, Minato-ku, Tokyo, Japan
3. Nature of Conveyance:	- C 22 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
■ Assignment□ Merger□ Security Agreement□ Other□ Other	10/
Execution Date: December 24, 2003	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 execution date of the application is: December 24, 2003
A. Patent Application No.(s)	B. Patent No.(s)
Additional numbers atta	ached? □ Yes ■ No 10753386
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total applications and patents involved: 1
Customer Number	7. Total fee (37 CFR 3.41): \$40.00
22850	■ Enclosed□ Authorized to be charged to deposit account
Tel. (703) 413-3000 Fax. (703) 413-2220	8. Deposit account number: 15-0030 (Attach duplicate copy of this page if paying by deposit account)
DO NOT USE	THIS SPACE
9. Statement and signature	
To the best of my knowledge and belief, the foregoing information copy of the original document.	tion is true and correct and any attached copy is a true
Marvin J. Spivak	SmMGelled 1/9/04
	ignature Date
	in Sociemand on Number 21,124
Total number of pages include	ding this cover sheet: 3
Do not detac	ch this portion
Mail documents to be recorded with required cover sheet information	ation to:
Mail Stop Assignmen	Patent and Trademark Office t Recordation Services /irginia. 22313
FC:8021 40.00 DP	

PATENT

REEL: 014886 FRAME: 0035

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:

INFRARED IMAGE SENSOR

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)

- × 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: 014886 FRAME: 0036

Inventor: (Signature)	Date	Residence
- /		
<u>Keitan</u> Shijundan Keitaro Shigenaka	fic. 24, 2003	Hachioji-shi, Japan
Joshinori Vida	Dec 24, 2003	Tokyo, Japan
Yoshinori lida		
		·

RECORDING OFFICER:

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

1940 Duke Street Alexandria, VA 22314

RECORDED: 01/09/2004

PATENT REEL: 014886 FRAME: 0037