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NORIHISA NAKAO DAIKI TAKAHASHI	Name: KABUSHIKI KAISHA TOSHIBA		
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Execution Date(s) July 9, 2004	Street Address:		
Additional name(s) of conveying party(ies) attached? X Yes No	1132		
3. Nature of conveyance:	City.		
X Assignment Merger	City: Minato-ku		
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4. Application or patent number(s): X This (A. Patent Application No.(s)	document is being filed together with a new application. B. Patent No.(s)		
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5. Name and address to whom correspondence	6. Total number of applications and patents		
concerning document should be mailed:	involved:		
Name: PILLSBURY WINTHROP SHAW PITTMAN LLP	7. Total fee (37 CFR 1.21 (h) & 3.41) \$ 40.00		
Internal Address: P.O. Box 10500	Authorized to be charged by credit card		
	X Authorized to be charged to deposit account		
Street Address: 1600 Tysons Boulevard	Enclosed		
	None required (government interest not affecting title)		
City: McLean	8. Payment Information 008312-0315622		
State:VA	Credit Card Last 4 Numbers		
Phone Number: (703) 905-2000	Expiration Date		
Fax Number: (703) 905-2500	Deposit Account Number <u>033975</u>		
Email Address: jeffrey.karceski@pillsburylaw.com	Authorized User Name		
9. Signature: April 7, 2005			

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
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Jeffrey D. Karceski, Reg. No. 35914 Name of Person Signing

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Internal Address:			
Street Address: State:			
Additional name(s) & address(es) attached?	☐ Yes 🖾 No		
Application number(s) or patent number(s):			
	cation, the execution date of the application is:04/07/05		
A. Patent Application No.(s)	B. Patent No.(s)		
Additional numbers attached?	☐ Yes ☐ No		

PATENT REEL: 016459 FRAME: 0703

ASSIGNMENT

In consideration of value received, I, having a residence as stated below above 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:

OPTICAL FILTER AND DISPLAY APPARATUS WITH THE SAME

sell and assign to KABUSHIKI KAISHA TOSHIBA a Japanese corporation, having a business address at 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, 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 United States patent application:

(check one)	[X]	executed concurrently herewith	
		executed on Application No.	; , filed

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes 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 proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, 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 invention.

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.

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PATENT REEL: 016459 FRAME: 0704

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