07-17-1998 FOR: PTO-1595 U.S. DEPARTMENT OF COMMERCE (Rev. 6-93) Patent and Trademark Office 100800951 Atty. Docket No. 04284.0780 To the Assistant Commissioner for Patents:

Please record the attached original documents or copy thereof.

ATTN. BOX ASSIGNMENTS 1. Name of conveying party(ies):  $M_{\rm pos} = 10000$  2. Name and address of receiving party(ies): 1. Kayo YAMAMOTO 2. Yasuyuki HANAZAWA Name: KABUSHIKI KAISHA TOSHIBA Additional names(s) of conveying party(ies) Internal Address: \_\_ attached? \_\_\_Yes XX\_No 3. Nature of conveyance: Street Address: 72, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa-ken, X Assignment \_\_\_ Merger \_\_\_ Security Agreement \_\_\_ Change of Name City: \_\_\_Other \_\_\_ State: ZTP: Execution Date: Inventor 1 on March 13, 1998 Additional name(s) & address(es) attached? Inventor 2 on March 18, 1998 Yes XX No 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: \_ A. Patent Application Nos. B. Patent No.(s) 09/026,512 Additional numbers attached? \_\_\_\_YES \_X NO 5. Name and address of party to whom 6. Total number of applications and patents correspondence concerning document involved 1should be mailed: Name: Mr. Ernest F. Chapman Internal Address: 7. Total fee (37 CFR 3.41): \$ 40.00 Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P. X Enclosed \_\_\_ Authorized to be charged to Street Address: deposit account 1300 I Street, N.W. City: Washington, D.C. State: ZIP: 20005 8. Deposit account number: 06-0916 07/16/1996 INDUYEN 00000151 09026512

9. Statement and signature.

FC:581

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.

Richard V. Burqujian

Name of Person Signing

Signature

July 13, 1998

Date

Total number of pages including cover sheet, attachments and document: 2

ATTORNEY DOCKET NO.: 04284.0780

SOLE/JOINT INVENTION (U.S. Rights Only)

## ASSIGNMENT

	WHER	REAS	I/We, $t$	he	below	named	inventor(s),	[hereinafter	referred	to	as	Assignor	(s)]
have	made	an	invention	n (	entitle	ed:							

## A LIQUID CRYSTAL DISPLAY DEVICE

for	which	I/WE	executed	an	application	for	r Unit	ed	Stat	es Le	ettei	s l	Patent	concurre	ently
here	with o	or on			(	or i	filed	an	appl	icati	ion f	or	United	States	Letters
Pate	ent on	Febru	uary 19,	1998	3, (Serial No	ο.			);	and					

WHEREAS, KABUSHIKI KAISHA TOSHIBA, a corporation of Japan, whose post office address is 72, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa-ken, Japan (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. 09/026,512, filed February 19, 1998) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I	/We have hereunto set our hand(s).						
1. Full Name of Sole or Firs	Full Name of Sole or First Assignor : Assignor's Signature						
Kayo YAMAMOTO	: Kayo Gamamoto	: March 13, 1998					
Address c/o Intellectua	Address c/o Intellectual Property Division Toshiba Corporation						
1-1-1, Shibaura	, Minato-ku, Tokyo, Japan	: Japan					
<ol><li>Full Name of Second Assig Yasuyuki HANAZAWA</li></ol>	nor : Assignor's Signature : Yawwai Managawa	: Date : <b>March 18</b> , 1998					
Address c/o Intellectua	l Property Division Toshiba Corporation	: Citizen of					
1-1-1, Shibaura	, Minato-ku, Tokyo, Japan	: Japan					
3. Full Name of Third Assign	or : Assignor's Signature	: Date					
		:					
Address		: Citizen of					
		<u> </u>					

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. WASHINGTON, D.C.

PATENT

RECORDED: 07/13/1998 REEL: 9353 FRAME: 0200