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BOX ASSIGNMENTS				DO NOT COL	FOR TRADEMARKS	
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TO THE ASSISTANT COMMISSIONER OF PATENTS AND TRADEMARKS:						
SIR: PLEASE RECORD THE ATTACHED OR		NIS OR COPY	IHEK	<u>-OF.</u>		
1. NAME OF CONVEYING PARTY(IES) (ASSI	IGNORS(S)):	١٥		ָה בּ	., <u>S</u>	
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7.   8.   ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? □YES ☑NO						
2. PARTY(IES) (ASSIGNEE(S)) RECEIVING II	NTEREST:					
NAME: KABUSHIKI KAISHA TOSHIBA						
ADDRESS: 72 Horikawa-cho, Saiwai-ku, Kawa	asaki-shi, JAPAN					
ADDITIONAL NAME(S) & ADDRESS(ES) ATT		⊠NO				
3. NATURE OF CONVEYANCE (DOCUMENT						
(Submit herewith only one document for red	cordation—multiple	copies of same	e Assigi	nment signed by differe	ent inventors is one	
document)		F	=\/=0	D175 14 1 0 100		
	PART INTE	RESI	EXEC	. <b>DATE:</b> March 9, 1999	9	
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SECURITY MERGER		WATER ALONE	A	EO ON DEOLADATIO		
EXECUTION DATE(S) ON THE DECLARATIO		WITH: (NOTE: I	IF DAT	ES ON DECLARATIO	N AND	
ASSIGNMENT DIFFER SEE ATTY!) March 9,			a. F	7		
4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS		<del></del>		YES ⊠NO		
			nie)			
	1st INVENTOR	B. PATENT N	U(3)	M#	1st INVENTOR	
series code/serial i	if not in item 1	B. PAIENI N	U(3)	IVI#	if not in item 1	
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FILE WITH PTO RETURN RECEIPT (PAT-103A)

## ASSIGNMENT

In consideration of value received. I, having a post office 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:

## CATHODE RAY TUBE APPARATUS

said application having been filed on and assigned Serial No. ;
sell and assign to
KABUSHIKI KAISHA TOSHIBA
a corporation of Japan, having a business address at 72 Horikawa-cho, Saiwai-ku, Kawasaki-shi, 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 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 Assignec, I will communicate to said Assignec 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.

The Cushman Darby & Cushman Intellectual Property Group of Pillsbury Madison & Sutro, LLP, 1100 New York Avenue, N.W., Ninth Floor, East Tower, Washington, D.C. 20005-3918

PATENT REEL: 9838 FRAME: 0674

## ASSIGNMENT

Inventor: (Signature)	Date	Residence
Jumbe Dur	MAR - 9 1990	
		Fukaya-shi, Saitama-ken, Japan
Yuuichi Sano		

## RECORDING OFFICER:

After recording please return to:
Cushman Darby & Cushman
Intellectual Property Group of
Pillsbury Madison & Sutro, LLP
1100 New York Avenue, N.W.,
Ninth Floor, East Tower,
Washington, D.C. 20005-3918

**RECORDED: 03/16/1999** 

PATENT REEL: 9838 FRAME: 0675