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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.				
1. Name of conveying party(ies): Takashi NOJI, Junichi TAKAHASHI and Yuuichi MURAKOSHI Additional name(s) of conveying party(ies) attached? □Yes ■No 3. Nature of Conveyance: ■ Assignment □ Merger □ Security Agreement □ Change of Name □ Other Execution Date: April 20, 20, and 25, 2000	2. Name and address of receiving party(ies): Name: KABUSHIKI KAISHA TOSHIBA Address: 72, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa-ken 210-0913, JAPAN 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 execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) 99/508,522 Additional numbers attached? □Yes ■No				
5. Name and address of party to whom correspondence concerning document should be mailed: 22850	6. Total applications and patents involved: 7. Total fee (37 CFR 3.41): \$40.00 ■ Enclosed □ Authorized to be charged to deposit account 8. Deposit account number: 15-0030			
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9. Statement and signature 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. Marvin J. Spivak Name of Person Signing Registration Number: 24,913 Total number of pages including this cover sheet: 3 DONOT USE THIS SPACE Signature and correct and any attached copy is a true copy of the original document. Doct. 4, 2001 Date				
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Assignment Of Application

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	WHEREAS, I (WE) Takashi NOJI; Junichi TAKAHASHI; and
	Yuuichi MURAKOSHI of:
SERT NAMES ID RESIDENCE IDRESSES OF IE INVENTORS:	2-150-23, Minamigouya, Nishinasunomachi, Nasu-gun, Tochigi-ken
	329-2705, JAPAN;
	A-516 Kureare Toshibanasu, 1-1384-2, Wakakusa, Ohtawara-shi,
	Tochigi-ken, 324-0021, JAPAN; and
	1-1-39-407, Murasakizuka, Ohtawara-shi, Tochigi-ken 324-0058,
	JAPAN
	, respectively
SERT TITLE	have invented certain new and useful improvements in: X-RAY IMAGE TUBE AND
	MANUFACTURING METHOD THEREOF
SERT DATE IN- INTORS SIGNED ICLARATION:	for which an application for Letters Patent was executed on
	(Application No. 09/508,522 , filed May 19, 2000), and
SERT NAME ND ADDRESS OF OMPANY OR	WHEREAS, KABUSHIKI KAISHA TOSHIBA
THER ASSIGNEE:	(hereinafter referred to as "ASSIGNEE") having a place of business at: 72, Horikawa-cho,
	Saiwai-ku, Kawasaki-shi, Kanagawa-ken 210-0913, JAPAN
	is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and it any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

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I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

/Date:	0 April 2000	· <u>/</u>	Takashi noji
/Date:	20 April 2000	(Signature of Inventor) (Signature of Inventor)	Takashi NOJI Junichi Takahashi Junichi TAKAHASHI
Date: 2	5 - April - 2000	(Signature of Inventor)	Yuuichi Murakoshi Yuuichi MURAKOSHI
Date:		(Signature of Inventor)	ruuleni MURAKOSHI
Date:		(Signature of Inventor)	
Date:		(Signature of Inventor)	
Date:		(Signature of Inventor)	
Date:		(Signature of Inventor)	

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

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