	04-12-2000	
Form-PTO-1595 3 1 2		RECORDATION Atty. Docket: 35.C14023
	To the Commissioner o: 101317439	attached original documents or copy thereof.
1.	Name of conveying party(ies):	2. Name and address of receiving party(ies):
	TAMAKI KOBAYASHI and MASAAKI SHIBATA	Name: CANON KABUSHIKI KAISHA
	Additional name(s) of conveying party (ies) attached Yes MAR 0 1 2000	Foreign Address: 30-2, Shimomaruko 3-chome, Ohta-ku  Tokyo 146-8501, Japan
3.	Nature of conveyance:  X Assignment Security Agreement Other  Nature of conveyance:  Merger Change of Name	Domestic Address:
	Execution Dates: January 18, 2000 and January 17, 2000	City: State ZIP  Additional name(s) & address(es) attached?  Yes X No
4.	Application number(s) or patent number(s): If this document is being filed together with a new application, to A. Patent Application Number: 09/440,535 Filing Date: November 16, 1999	B. Title of Invention:  SUBSTRATE FOR ELECTRON SOURCE, ELECTRON SOURCE AND IMAGE FORMING APPARATUS, AND MANUFACTURING METHOD THEREOF
	Additional numbers attached?	Yes X No
5.	Name and address of party to whom correspondence concerning document should be mailed:	6. Number of applications and patents involved:  One
	Name: Fitzpatrick, Cella, Harper & Scinto	Onc
	30 Rockefeller Plaza	7. Total fee (37 CFR 3.41): \$40.00
	New York, New York 10112-3801	X Enclosed Authorized to be charged to deposit account
	Telephone No.: (212) 218-2100	8. Deposit account number (for deficiency or excess)
	Facsimile No.: (212) 218-2200	(Attach duplicate copy of this page if paying by deposit account):
A/19/	2000 DNGUYEN 00000273 09440535 \ DO NOT USE	
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1 <b>FC:</b> 9.	Statement and signature.	
, , , , , , , , , , , , , , , , , , ,	To the best of my knowledge and belief, the foregoing information true copy of the original document.	28, 4.
	Name of Person Signing  Signs	February 29, 2000 Date
NV		nages including cover sheet attachments and documents: 3

PATENT REEL: 010673 FRAME: 0968

## ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES

FOR VALUE RECEIVED, WE, TAMAKI KOBAYASHI and MASAAKI SHIBATA

citizens of Japan residing respectively at 7-8, Hachimandai 2-chome, Isehara-shi, Kanagawa-ken, Japan; and 1511-13, Yamanishi, Ninomiya-machi, Naka-gun, Kanagawa-ken, Japan

hereby sell, assign, transfer and convey unto CANON KABUSHIKI KAISHA a corporation of Japan

having a place of business at 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, Japan its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title and interest, for the United States, in and to certain inventions relating to

SUBSTRATE FOR ELECTRON SOURCE, ELECTRON SOURCE AND IMAGE FORMING APPARATUS, AND MANUFACTURING METHOD THEREOF

and described in an application for Letters Patent of the United States filed by us on November 16, 1999 and which has been accorded Application No. 09/440, 535

and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted, thereon, and all reissues and extensions thereof; and we hereby authorize and request the Commissioner for Patents and Trademarks of the United States to issue all Letters Patent upon said inventions to the Assignee or to such nominees as it may designate.

AND we authorize and empower the said Assignee or nominees to invoke and claim for any application for patent or other form of protection for said inventions, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

AND we hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in the United States for any purpose and more particularly in proof of the right of said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

AND we hereby covenant that we have the full right to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

AND we hereby covenant and agree that we will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent protection for said inventions in the United States.

By: Tamahi Kobayashi TAMAKI KOBAYASHI	Date: January 18, 2000
By: MASAAKI SHIBATA	Date: Juniary 17, Dett
Ву:	Date:
Ву:	Date:
Ву:	Date:

RECORDED: 03/01/2000

PATENT REEL: 010673 FRAME: 0969