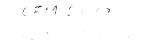
TUIM-1 10-1373 IRAINSIVI		08-03	•	ATION		
1-3	To the Director, U.S. Pa	atent and Or:			Atty. Docket: 862.C2170 riginal documents or copy thereof.	
1.	Name of conveying party(ies) (1) Haruhito ONO (2) Takayuki YAGI): / Nu	10179 m (1)		ss of receiving party(ies): KABUSHIKI KAISHA	
	Additional name(s) of convey	ving party(105) at	ached?	Foreign Address:	30-2, Shimomaruko 3-chome, Ohta-ku Tokyo, Japan	
3.	Nature of conveyance: X Assignment Security Agreement Other	☐ Merger ☐ Change of	`Name	Domestic Address	State ZIP	
	Execution Date: April 27, 20	001		Additional name(s	s) & address(es) attached? Yes X No	
4.	Application number(s) or pate If this document is being filed A. Patent Application Numb Filing Date: March 29, 2	d together with a per: 09/819,907	new application,	B. Title of In ELECTRON OPT BEAM EXPOSUI	of the application is: vention: ICAL SYSTEM, CHARGED-PARTICLE RE APPARATUS USING THE SAME, AND FACTURING METHOD	
		Additional nur	nbers attached?	Yes	X No	
5.	Name and address of party to whom correspondence concerning document should be mailed:		ndence	6. Number of app	plications and patents involved:	
	Name: Fitzpatricl	k, Cella, Harper	& Scinto			
	30 Rocket	feller Plaza		7. Total fee (37 (XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	CFR 3.41): \$ 40.00	
	New York	k, New York 101	12-3801		to be charged to deposit account	
	Telephone No.: (212) 218	-2100		8. Deposit accou	nt number (for deficiency or excess)	
	Facsimile No.: (212) 218	-2200		(Attach duplica account):	06-1205 te copy of this page if paying by deposit	
/02/i	2001 TBIAZ1 00000185 0981990 581 4	0.00 00	DO NOT USE	THIS SPACE		
9.	Statement and signature					
	To the best of my knowledge and belief, the foregoing information is true and the attached is the original document or is a true copy of the original document.					
Ste	even E. Warner - Reg. No. 33, Name of Person Signing		Signa Signa	AMAture	July 30, 2001 Date	

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Total number of pages including cover sheet, attachments, and documents: 3



page 1
JOINT
(AFTER APPLICATION FILED)

ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES

FOR VALUE RECEIVED, We, Haruhito ONO, Takayuki YAGI

citizens of Japan

both residing at

Kanagawa, 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

ELECTRON OPTICAL SYSTEM, CHARGED-PARTICLE BEAM EXPOSURE APPARATUS USING THE SAME, AND DEVICE MANUFACTURING METHOD

and described in an application for Letters Patent of the United States filed by us on March 29, 2001 and which has been accorded Application No. 09/819, 907

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.

PATENT REEL: 012024 FRAME: 0956

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page 2 **JOINT** (AFTER APPLICATION FILED)

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 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: Jakayuki (Yagi Date: April 27, 200/
Takayuki YAGI

RECORDED: 07/30/2001

PATENT

REEL: 012024 FRAME: 0957