FORM PTO-1594 1-31-92

09-15-2000

U.S. Department of Commerce Patent and Trademark Office Attorney Docket No. 04329.2308

To the Honorable Commissioner of Patents and

101456996

Flease record the attached original documents C. 1014	JOX ASSIGNMENTS	
Name of conveying parties:	Name and address of receiving party:	
1) Atsushi MURAKOSHI 2) Kyoichi SUGURO 3) Katsuya OKUMURA	CUSTOMER NUMBER 22852 Name: Kabushiki Kaisha Toshiba	
Additional name of conveying party attached? □ Yes ☒ No	Internal Address:	
Nature of conveyance:	Street Address: 72, Horikawa-cho, Saiwai-ku	
	Kawasaki-shi, Japan	
	City:	
Assignment D Merger	State: Zip Code:	
Security Agreement Change of Name		
Other	Additional name(s) & Address(es) attached?	
Execution Date: July 24, 2000	□ Yes ⊠ No	
4. Application number or patent number: If this document is being filed together with a new application, the execution date of the application:		
A. Patent Application Numbers:	B. Patent Numbers:	
09/559,345		
Additional numbers attached? □ Yes 図 No		
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and registrations involved:	
Name: Mr. Ernest F. Chapman	7. Total fee (37 CFR 3.41): \$40	
FINNEGAN, HENDERSON, FARABOW, GARRETT internal Address: & DUNNER, L.L.P.	Enclosed (Please charge deficiency to deposit account)	
	Authorized to be charged to deposit account	
Street Address: 1300 I Street, N.W.		
City: Washington	8. Deposit account number: <u>06-0916</u>	
State: DC Zip: 20005-3315		
 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. 		
Richard V. Burgujian	August 23, 2000	
Registration No. 31,744	ature Date	
Total number of pages including cover sheet, attachments and documents: 3		
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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:

ION GENERATION METHOD AND FILAMENT FOR ION GENERATION APPARATUS

said application having been filed on April 27, 2000 and assigned Serial No. 09/559,345; 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)

× 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 Assignee. I will communicate to said Assignee 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.

Finnegan, Henderson, Farabow, Garrett & Dunner, L. L. P., 1300 I Street, N. W., Washington, D. C., 20005-3315

PATENT REEL: 011057 FRAME: 0617

Inventor: (Signature)	Date	Residence
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