### PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Mikio ICHIHASHI	10/28/2011
Takashi ONISHI	10/18/2011
Shunichi WATANABE	10/18/2011
Keiji TAMURA	10/18/2011

### RECEIVING PARTY DATA

Name:	Hitachi High-Technologies Corporation	
Street Address:	24-14, Nishi Shimbashi 1-chome, Minato-ku,	
City:	Tokyo	
State/Country:	JAPAN	

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13322025

### **CORRESPONDENCE DATA**

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Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20005-3096

ATTORNEY DOCKET NUMBER:	075905-0142
NAME OF SUBMITTER:	Keith E. George/ksa

**Total Attachments: 2** 

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PATENT REEL: 027267 FRAME: 0491 :H \$40.00 13

RECORDATION FORM COVER SHEET				
Docket No.: 075905-0142 PATENTS ONLY				
To the Director of the U. S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.				
1. Name of Conveying Party(ies)	2. Name and address of receiving party(ies)			
Mikio ICHIHASHI, Takashi ONISHI, Shunichi	Name: Hitachi High-Technologies Corporation			
WATANABE, Keiji TAMURA				
	Internal Address:			
Additional name(s) of conveying party(ies) attached? Tyes No				
3. Nature of Conveyance/Execution Date(s)	Address: 24-14, Nishi Shimbashi 1-chome, Minato-ku,			
	Tokyo, Japan			
Execution Date(s): October 28, 2011; October 18, 2011;				
October 18, 2011 and October 18, 2011				
respectively				
☐ Merger				
☐ Security Agreement ☐ Change of Name				
☐ Joint Research Agreement				
Government Interest Assignment				
☐ Executive Order 9424, Confirmatory License				
4. Application or patent number(s):	This document is being filed together with a new application.			
A. Patent Application No(s).	B. Patent No(s).			
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:			
Name: MCDERMOTT WILL & EMERY LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00			
Internal Address:	Authorized to be charged by credit card			
internal Address.	Authorized to be charged to deposit account			
Street Address: 600 13th Street, N.W.	Enclosed			
Successive	None required (government interest not affecting title)			
City: Washington, State: DC Zip: 20005-3096				
D.C.				
Phone Number: 202.756.8000	8. Payment Information:			
Fax Number: 202.756.8087				
Email Address: mweipdocket@mwe.com	a. Credit Card Last 4 Numbers			
Zaman , tautoos	Expiration Date			
	b. Deposit Account Number 500417			
	Authorized User Name			
9. Signature.				
Keith E. George 34,111  Keith E. George 34,111  November 22, 2011				
Name and Registration No. of Person Signing	Signature Date			
Total number of pages including cover sheet, attachments and documents: 2				

PATENT REEL: 027267 FRAME: 0492

# **ASSIGNMENT**

(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi High-Technologies Corporation, a corporation organized under the laws of Japan,

located at 24-14, Nishi Shimbashi 1-chome, Minato-ku, Tokyo, Japan,

receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi High-Technologies Corporation, its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

#### **ELECTRON GUN**

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, No. PCT/JP2010/002684 filed April 14, 2010, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted,

to be held and enjoyed by said Hitachi High-Technologies Corporation,

its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi High-Technologies Corporation.

Signed on the date(s) indicated aside our signatures:

	INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1)_	Mikio Ichihashi	10/28/2011
2)_	Takashi Onishi	10/18/2011
3)_	Shun-ichi Watanabe	10/18/2011
4)_	Keiji Lamura	10/18/2011
5)_		
6)_		
7)		
8)		
9)		
10)		

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**RECORDED: 11/22/2011**