PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Ayae NAGAOKA	03/11/2011
Hiroyuki HIRAKAWA	03/11/2011
Yasuo IMURA	03/11/2011
Kanako HIRATA	03/11/2011
Tadashi IWAMATSU	03/11/2011

RECEIVING PARTY DATA

Name:	SHARP KABUSHIKI KAISHA	
Street Address:	22-22, Nagaike-cho, Abeno-ku	
City:	Osaka-shi, Osaka	
State/Country:	JAPAN	
Postal Code:	545-8522	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13074533	

CORRESPONDENCE DATA

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NAME OF SUBMITTER: H. Warren Burnam, Jr.

Total Attachments: 1

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PATENT REEL: 026042 FRAME: 0390 JP \$40.00 130/4533

			Case No. :		
			FENT APPLICATION		
	Ayae NAGAOKA, and Tadashi IWA	Hiroyuki HIRAKAWA, Ya Matsu	suo IMURA, Kanako HIRATA		
(Inventors)	and radasiii ivA	WIATOU			
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	F				
(Assignee)	In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to SHARP KABUSHIKI KAISHA a corporation of 22-22, Nagaike-cho,				
(Address)	Abeno-ku, Osaka	-shi, Osaka, 545-8522 Ja	pan		
	the United States,	its territories, dependend	e undersigned's entire right, title and interest for ies and possessions in the invention, and all ent which may be granted therefore, known as		
(Title)	ELECTRON EMIT	TING ELEMENT AND M	ETHOD FOR PRODUCING THE SAME		
	for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed on or has already filed U.S. application Serial No, on				
	The undersigned assignee at the tire	 acknowledges an obligation ne the invention was mad	on of assignment of this invention to said e.		
The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.					
The of a valid Uni	undersigned agree(ited States patent to	s) to perform all affirmativ the Assignee.	e acts which may be necessary to obtain a grant		
The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.					
The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. 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 United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.					
In wisignature(s).	tness whereof, exec	uted by the undersigned of	on the date(s) opposite the undersigned		
Date <u>Mar</u>	ch 11, 2011	Signature of inventor	Ayae Nagaoka Ayae NAGAOKA		
Date/\frac{M}{	arch 17, 2011	Signature of inventor	Hiroyuki HRAKAWA Yasuo MURA		
Date <u></u> ✓	arch 11, 2011	Signature of inventor	Yasuo Umura Yasuo IMURA		
Date	March 11,2011	Signature of inventor	7 Kanako 7 Firata Kanako HIRATA		
Date <u>Μα</u>	rch 11,2011	Signature of inventor	Tasab MORA Tanako Tfirata Kanako HIRATA Tadashi Iwamateu Tadashi IWAMATSU		

RECORDED: 03/29/2011

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