

01-24-2000

FORM PTO-1595  
P18692.P06

**MRD 1-12-00**



HEET

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

To the Honorable Commi

101250330

: attached original documents or copy thereof.

1. Name of Conveying party(ies):  
Takashi HATAI  
Takuya KOMODA  
Yoshiaki HONDA  
Koichi AIZANA  
Yoshifumi WATABE  
Tsutomu ICHIHARA  
Yukihiko KONDO  
Nobuyoshi KOSHIDA



2. Name and address of receiving party(ies)

Name: MATSUSHITA ELECTRIC WORKS. LTD.

Internal Address: \_\_\_\_\_

Street Address: 1048, Oaza Kadoma, Kadoma-shi,

Osaka 571-8686 Japan

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP \_\_\_\_\_

Additional name(s) and address(es) attached?  Yes  No

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: December 3, 6, 1, 2, November 30, December 2, 13, and  
15, 1999

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)  
09/440,166

B. Patent No.(s)

Additional numbers attached:  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Bruce H. Bernstein

Internal Address: P18692

Street Address: GREENBLUM & BERNSTEIN, P.L.C.

1941 Roland Clarke Place

City: Reston State: VA ZIP 20191

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41).....\$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

19-0089

(Attach duplicate copy of this page if paying by deposit account)

01/21/2000 DCORTES 00000009 09440166

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9. 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.

Bruce H. Bernstein, Reg. No. 29,027

Name of Person Signing

*Bruce H. Bernstein*  
Signature

1-10-00

Date

Total number of pages including cover sheet, attachments and document: 2

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

**PATENT**  
**REEL: 010494 FRAME: 0941**

# Assignment

In Consideration of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned by the Assignee,  
Matsushita Electric Works, Ltd., of 1048, Oaza Kadoma,  
Kadoma-shi, OSAKA 571-8686 JAPAN

a corporation organized under the laws of JAPAN  
receipt whereof is hereby acknowledged, the undersigned by these presents hereby sold, assigned, transferred and set over unto the said assignee the entire right, title and interest in and to the invention or improvement in

"FIELD EMISSION-TYPE ELECTRON SOURCE AND MANUFACTURING METHOD THEREOF AND DISPLAY USING THE ELECTRON SOURCE"

said invention being fully described and/or claimed in the application for Letters Patent of the United States of America 1) executed this date, or 2) Serial No. 09/440,166 filed November 15, 1999 in and for the United States and all foreign countries, the same to be held and enjoyed by said assignee, its successors, assigns or other legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

And Said Assignee is Hereby Authorized to make application for and to receive Letters Patent for said invention in any of said countries at its election.

And By This Covenant The Undersigned will execute or procure any further necessary assurance of title to said invention and Letters Patent; and at any time, upon the request and at the expense of said assignee, will execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patents which may be granted therefor in said Assignee, its successors, assigns or other legal representatives, and, upon the request and at the expense of said assignee, will execute any additional or divisional applications for patents for said invention, or any part or parts thereof, and for the reissue of any Letters Patents to be granted therefor, and will make all rightful oaths and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of said assignee, its successors, assigns or other legal representatives.

And The Commissioner of Patents and Trademarks is Hereby Authorized and Requested to issue any and all Letters Patent of the United States for said invention to said assignee.

Dated	<u>3/12/1999</u>	<u>Takashi Hatai</u> Takashi HATAI	L.S.
Dated	<u>6/12/1999</u>	<u>Takuya Komoda</u> Takuya KOMODA	L.S.
Dated	<u>1/12/1999</u>	<u>Yoshiaki Honda</u> Yoshiaki HONDA	L.S.
Dated	<u>2/12/1999</u>	<u>Koichi Aizawa</u> Koichi AIZAWA	L.S.
Dated	<u>30/11/1999</u>	<u>Yoshifumi Watabe</u> Yoshifumi WATABE	L.S.
Dated	<u>2/12/1999</u>	<u>Tsutomu Ichihara</u> Tsutomu ICHIHARA	L.S.
Dated	<u>13/12/1999</u>	<u>Yukihiko Kondo</u> Yukihiko KONDO	L.S.
Dated	<u>15/12/1999</u>	<u>Nobuyoshi Koshida</u> Nobuyoshi KOSHIDA	PATENTS.

RECORDED: 01/12/2000

REEL: 010494 FRAME: 0942