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Atty. Docket: 35.C13238

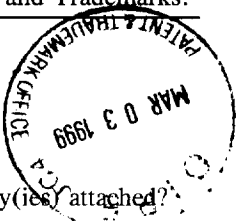
To the Commissioner of Patents and Trademarks:

100981746

its or copy thereof.

1. Names of conveying party(ies):
 (1) Masato YAMANOBE
 (2) Takeo TSUKAMOTO
 (3) Shinichi KAWATE

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



2. Name and address of receiving party(ies):
 Name: CANON KABUSHIKI KAISHA
 Foreign Address: 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, Japan
 Domestic Address: _____
 City: _____ State _____ ZIP _____
 Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Dates: (1) February 16, 1999
 (2) February 15, 1999
 (3) February 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 Number:
09/191,342

B. Patent Registration No. (s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: Fitzpatrick, Cella, Harper & Scinto
30 Rockefeller Plaza
New York, New York 10112-3801
 Telephone No.: (212) 218-2100
 Facsimile No.: (212) 218-2200

6. Number of applications and patents involved:
One

7. Total fee (37 CFR 3.41): . . \$ 40.00
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number (for deficiency or excess)
06-1205
 (Attach duplicate copy of this page if paying by deposit account):

03/09/1999 DNGUYEN 00000141 09191342

91 FC:581

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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.

John W. Behringer, Reg. No. 23,086 John W. Behringer March 3, 1999
 Name of Person Signing Signature Date

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

ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES

FOR VALUE RECEIVED, WE, MASATO YAMANOBE, TAKEO TSUKAMOTO, and SHINICHI KAWATE

citizens of Japan

residing respectively at

21-30, Kanai 1-chome, Machida-shi, Tokyo, Japan; 29-1-405, Morinosato 1-chome, Atsugi-shi, Kanagawa-ken, Japan; and 43-1-101, Unomori 3-chome, Sagamihara-shi, Kanagawa-ken, 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-EMITTING DEVICE AND PRODUCTION METHOD THEREOF

and described in an application for Letters Patent of the United States filed by us on November 13, 1998 and which has been accorded Application No. 09/191,342

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.

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 said 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: Masato YAMANOBE MASATO YAMANOBE

Date: Feb 16, 1999

By: Takeo Tsukamoto TAKEO TSUKAMOTO

Date: Feb 15, 1999

By: Shinichi Kawate SHINICHI KAWATE

Date: Feb 15, 1999

By: _____

Date: _____

By: _____

Date: _____