To the Commissioner of Patents and Trademarks:

1. Name of conveying party(ies):
   YOICHI ANDO and MASAHIRO FUSHIMI

   Additional name(s) of conveying party(ies) attached:
   □ Yes  ☑ No

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

   Execution Date: March 27, 2000 and March 28, 2000

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: 09/511,349
      Filing Date: February 23, 2000
   B. Title of Invention:
      METHOD FOR MANUFACTURING SPACER FOR ELECTRON SOURCE APPARATUS, SPACER, AND ELECTRON SOURCE APPEARATUS USING SPACER

   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):
   ☑ Enclosed  □ Authorized to be charged to deposit account
   $40.00

8. Deposit account number (for deficiency or excess)
   06-1205

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.

   Leonard P. Diana, Reg. No. 29,296
   Name of Person Signing

   Signature  May 31, 2000
   Date

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

PATENT
REEL: 010863 FRAME: 0419
ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES

FOR VALUE RECEIVED, WE, YOICHI ANDO and MASAHIRO FUSHIMI

citizens of Japan
residing respectively at 2-C-406, Koyodai 4-chome, Inagi-shi, Tokyo, Japan; and 350-26, Shindanjuku, Zama-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

METHOD FOR MANUFACTURING SPACER FOR ELECTRON SOURCE APPARATUS, SPACER AND ELECTRON SOURCE APPARATUS USING SPACER

and described in an application for Letters Patent of the United States filed by us on February 23, 2000
and which has been accorded Application No. 09/511,349
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, therein, 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: ____________________________ Date: ____________________________

YOICHI ANDO

By: ____________________________ Date: ____________________________

MASAHIRO FUSHIMI

By: ____________________________

By: ____________________________

By: ____________________________

 Recorded: 06/02/2000

PATENT REEL: 010863 FRAME: 0420