To the Commissioner of Patents and Trademarks

1. Name of conveying party:
   1) Shuji AOKI
   2) Shunzo IMAI

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

2. Name and address of receiving party:
   Name: CANON KABUSHIKI KAISHA
   Foreign Address: 3-2, 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 Date: 1) March 17, 1999; 2) March 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: March 23, 1999

   A. Patent Application Number:
      Filing Date: March 23, 1999

      Additional numbers attached?  □ Yes  □ No

   B. Title of Invention:
      POWER SUPPLY APPARATUS AND METHOD,  
      AND FABRICATION APPARATUS

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

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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.

   Steven E. Warner  Reg. No. 33,326
   Name of Person Signing
   March 23, 1999
   Signature
   Date

Total number of pages including cover sheet, attachments, and documents: 3

PATENT
REEL: 9850 FRAME: 0837
JOINT
(BEFORE APPLICATION FILED)

ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES

FOR VALUE RECEIVED, We, Shuji AOKI and Shunzo IMAI;

residing respectively at 31-5-301, Kokubuminami 3-chome, Ebina-shi, Kanagawa-ken, Japan; and

9-3, Minamirinkan 6-chome, Yamato-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

POWER SUPPLY APPARATUS AND METHOD, AND FABRICATION APPARATUS,

and described in an application for Letters Patent of the United States executed by each of us, respectively, on the
date indicated below 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.