

04-19-2000



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To the Commissioner of Patents and

1. Name of conveying party(ies): YOSHIKIYO YUI AND MASATO MURAKI

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

Name: CANON KABUSHIKI KAISHA

Foreign Address: 30-2, Shimomaruko 3-chome, Ohta-ku Tokyo, Japan

3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other

Execution Date: March 14, 2000

Domestic Address:

City: State ZIP

Additional name(s) & address(es) attached? [] Yes [] No

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: Filing Date:

B. Title of Invention: CHARGED-PARTICLE BEAM EXPOSURE APPARATUS AND DEVICE MANUFACTURING METHOD USING THE SAME

Additional numbers attached? [] Yes [X] No

09/533217

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

[X] 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):

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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.

Peter Saxon Name of Person Signing

Peter Saxon Signature

March 22, 2000 Date

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

JOINT
(BEFORE APPLICATION FILED)

ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES

FOR VALUE RECEIVED, We, Yoshikiyo YUI and Masato MURAKI
citizens of Japan
residing respectively at
966-6, Tsurutamachi, Utsunomiya-shi, Tochigi-ken, Japan; and
2-B-904, Koyodai 4-chome, Inagi-shi, Tokyo, 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

CHARGED-PARTICLE BEAM EXPOSURE APPARATUS AND DEVICE
MANUFACTURING METHOD USING THE SAME

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.

By: Yoshikiyo Yui Date: March 14, 2000
Yoshikiyo YUI

By: Masato Muraki Date: March 14, 2000
Masato MURAKI