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RECORDATION

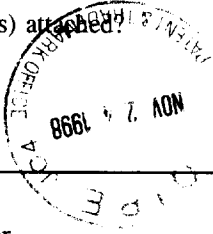
Atty. Docket: 684.2728

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Names of conveying party:
TOMOHARU HASE

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

MRD 11.24.98



2. Name and address of receiving party(ies):
Name: CANON KABUSHIKI KAISHA

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

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

Execution Date: November 13, 1998

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:
09/145,982

Additional numbers attached? Yes No

B. Patent Registration No. (s) _____

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 **E**
 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.

Steven E. Warner, Reg. No. 33,326 Steven E. Warner November 24, 1998
Name of Person Signing Signature Date

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

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11/27/1998 JWATKINS 00000037 09145982

01 FC:581

40.00 OP

PATENT
REEL: 9604 FRAME: 0050

Assignment

FOR VALUE RECEIVED

Tomoharu HASE

citizen(s) of Japan

residing at (respectively)

108-403 Shimokawamatamachi, Utsunomiya-shi, Tochigi-ken, Japan

hereby sell, assign, transfer and convey unto

CANON KABUSHIKI KAISHA, a corporation of Japan having a place of business at 3-30-2 Shimomaruko, 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

EXPOSURE APPARATUS AND DEVICE MANUFACTURING METHOD

and described in an application for Letters Patent of the United States filed on 3/SEP/1998 as Application No. 09/145,982 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 I 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 I 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 me.

AND I 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 I hereby covenant that I have the full right to convey the entire right, title and interest herein assigned and that I have not executed and will not execute any agreement in conflict herewith.

AND I hereby covenant and agree that I will communicate to said Assignee or nominees all facts known to me 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: Tomoharu Hase
Tomoharu HASE

Date: November 13, 1998

By: _____

Date: _____

By: _____

Date: _____