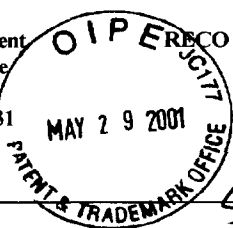


06-04-2001

D  
F

Director of the U.S. Patent  
and Trademark Office  
Box Assignments  
Washington, D.C. 20231



101738419

5-29-01

DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Attorney Docket No. 107759

To the Director of the U.S. Patent and Trademark Office: Please record the attached original document or copy thereof.

1. A. Name of conveying parties:  
 1) Osamu TANITSU  
 2) Yuji KUDO  
 3) Mitsunori TOYODA  
 4) Masato SHIBUYA

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

2. A. Name and address of receiving party:  
 NIKON CORPORATION  
 2-3, MARUNOUCHI 3-CHOME,  
 CHIYODA-KU, TOKYO 100-8331 JAPAN

3. A. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

B. Execution Date: 1-3) April 19, 2001  
4) April 23, 2001

B. Additional name(s) & address(es) attached?  
 Yes  No

4. A. If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

B. Patent Application No. 09/703,727

C. Patent No.(s) \_\_\_\_\_

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: James A. Oliff

Address: **OLIFF & BERRIDGE, PLC**  
**P.O. Box 19928**  
**Alexandria, VA 22320**

6. Total number of applications and patents involved: 1

7. A. Total fee (37 CFR 3.41).....\$ 40.00  
 B. Enclosed (Check No. 119290)

8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.

9. **Statement and signature.**  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

James A. Oliff Registration No. 27,075  
Joel S. Armstrong Registration No. 36,430

Date: May 29, 2001

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

06387  
0200

For Non-U.S. Clients

# ASSIGNMENT

Whereas, I/we,

Name

Address

1) **Osamu TANITSU**

c/o NIKON CORPORATION,  
2-3, Marunouchi 3-chome,  
Chiyoda-ku, Tokyo 100-8331 Japan

2) **Yuji KUDO**

c/o NIKON CORPORATION,  
2-3, Marunouchi 3-chome,  
Chiyoda-ku, Tokyo 100-8331 Japan

3) **Mitsunori TOYODA**

c/o NIKON CORPORATION,  
2-3, Marunouchi 3-chome,  
Chiyoda-ku, Tokyo 100-8331 Japan

4) **Masato SHIBUYA**

c/o NIKON CORPORATION,  
2-3, Marunouchi 3-chome,  
Chiyoda-ku, Tokyo 100-8331 Japan

hereinafter called assignor(s), have invented certain improvements in  
**OPTICAL INTEGRATOR, ILLUMINATION OPTICAL APPARATUS, EXPOSURE APPARATUS, AND OBSERVATION APPARATUS**

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless otherwise indicated below:

filed on November 2, 2000, Serial No. 09/703727; and

Whereas

**NIKON CORPORATION**

2-3, Marunouchi 3-chome,  
Chiyoda-ku, Tokyo 100-8331 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

INVENTORS

DATE SIGNED

1): Osamu Tanitsu  
Name: Osamu TANITSU

Apr. 19, 2001

2): Yuji Kudo  
Name: Yuji KUDO

Apr. 19, 2001

3): Mitsunori Toyoda  
Name: Mitsunori TOYODA

Apr. 19, 2001

4): Masato Shibuya  
Name: Masato SHIBUYA

Apr. 23, 2001

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)

**PATENT**

**RECORDED: 05/29/2001**

**REEL: 011844 FRAME: 0717**