

09/22/2011

FORM PTO-1595

U.S. DEPARTMENT OF COMMERCE

©2011 Staas & Halsey LLP

103633224

To the Director of the U.S. Patent and Trademark Office: Please record this document.



- 9-20-11
1. Name of conveying party(ies):  
(1) Hirohisa TANAKA  
(2) Hiroyuki HIROTA
  2. Name and Address of receiving party(ies):  
NIKON CORPORATION  
12-1, Yurakucho 1-chome,  
Chiyoda-ku, Tokyo 100-8331  
JAPAN
  3. Nature of conveyance:  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other: \_\_\_\_\_  
Execution Date(s): (1), August 1, 2011 and (2), July 23, 2011
  4. Application number(s) or patent number(s):  
☐ This document is being filed together with a new application.  
  
OR  
☒ This document is being filed after filing of the application:  
(a) Patent Application No(s). 13/166,316, filed June 22, 2011; or  
(b) Patent No(s). , issued .
  5. Name and address of party to whom correspondence concerning document should be mailed:  
STAAS & HALSEY LLP Our Docket: 1539.1033  
Attention: David M. Pitcher  
1201 New York Ave., N.W., 7th Floor  
Washington, D.C. 20005
  6. Total number of applications and patents involved: 1
  7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Patent or Application in Assignment)  
☒ Enclosed  
☐ Authorized to be charged to credit card.  
☐ Authorized to be charged to deposit account.
  8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)  
(Attach duplicate copy of this page if paying by deposit account)

David M. Pitcher, Reg. No. 25,908  
Name of Person Signing

David M. Pitcher September 20, 2011  
Signature Date

Total number of pages including cover sheet: 2

DO NOT USE THIS SPACE

09/22/2011 ROUTED 00000015 13160316

01 FC:8021

40.00 DP

©2011

Revised April, 2011

PATENT  
REEL: 027065 FRAME: 0549

**ASSIGNMENT**

Whereas, I/we,

NameAddress

1) Hirohisa TANAKA

c/o NIKON CORPORATION,  
 12-1, Yurakucho 1-chome,  
 Chiyoda-ku, Tokyo 100-8331 Japan  
 c/o NIKON CORPORATION,

2) Hiroyuki HIROTA

12-1, Yurakucho 1-chome,  
 Chiyoda-ku, Tokyo 100-8331 Japan

hereinafter called assignor(s), have invented certain improvements in  
**ILLUMINATION OPTICAL SYSTEM, EXPOSURE APPARATUS, AND DEVICE MANUFACTURING METHOD**

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

filed on June 22, 2011, Serial No. 13/166316; and

Whereas

**NIKON CORPORATION**

12-1, Yurakucho 1-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.

INVENTORSDATE SIGNED

1):

Name:

田中 裕久  
 Hirohisa TANAKA

Aug 1, 2011

2):

Name:

廣田 弘之  
 Hiroyuki HIROTA

July 23, 2011

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