

11-05-2007

11/919352

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Assignment Record
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103458797

OVER SHEET
LYU.S. DEPARTMENT OF COMMERCE
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IAF17

Attorney Docket No. 134469

Please record the attached original document or copy thereof.

1. A. Name of conveying parties:

[1] Kenichi SHIRAISHI
[2] Tomoharu FUJIWARA

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
JAPAN

3. A. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____

B. Additional name(s) & address(es) attached?

☐ Yes ☒ No

B. Execution Date: [1]: October 15, 2007;

[2]: October 16, 2007

4. ☒ This document is being filed together with a new application.

A. Patent Application No.(s) _____

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ NoC. Title of Application: EXPOSURE METHOD, EXPOSURE APPARATUS, AND DEVICE
MANUFACTURING METHOD

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

Name: Mario A. Costantino

Address: OLIFF & BERRIDGE, PLC
P.O. Box 320850
Alexandria, VA 22320-4850

6. Total number of applications and patents involved: 17. A. Total fee (37 CFR 3.41).....\$ 40.00B. Enclosed (Check No. 198541)

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.

Mario A. Costantino Registration No. 33,565
David R. Kemeny Registration No. 57,241

Date: October 26, 2007Total number of pages including cover sheet, attachments, and document: 2

11/919352
 IAP17 Rec'd PCT/PTO 26 OCT 2007

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) Kenichi SHIRAISHI
 (2) Tomoharu FUJIWARA
 (3) _____
 (4) _____
 (5) _____
 (6) _____
 (7) _____
 (8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee
 (10) Insert Address of Assignee

(9) NIKON CORPORATION
 (10) 2-3, Marunouchi 3-chome, Chiyoda-ku, Tokyo, Japan

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or Foreign Application Number

(11) EXPOSURE METHOD, EXPOSURE APPARATUS, AND DEVICE MANUFACTURING METHOD

(Attorney Docket No. 134469)

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12) Insert Date of Signing of Application

(12) on October 15, 2007 and October 16, 2007

(13) Alternative Identification for filed applications

(13) U.S. application Serial Number filed October 26, 2007

1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) Each undersigned authorizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>Oct. 15, 2007</u>	Name of Inventor	<u>Kenichi Shiraishi</u> Kenichi SHIRAISHI (SEAL)
Date	<u>Oct. 16, 2007</u>	Name of Inventor	<u>Tomoharu Fujiwara</u> Tomoharu FUJIWARA (SEAL)
Date	_____	Name of Inventor	_____ (SEAL)
Date	_____	Name of Inventor	_____ (SEAL)
Date	_____	Name of Inventor	_____ (SEAL)
Date	_____	Name of Inventor	_____ (SEAL)
Date	_____	Name of Inventor	_____ (SEAL)
Date	_____	Name of Inventor	_____ (SEAL)
Date	_____	Name of Inventor	_____ (SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date _____ Witness _____
 Date _____ Witness _____

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) <u>Kenichi SHIRAISHI</u>	(5) _____
(2) <u>Tomoharu FUJIWARA</u>	(6) _____
(3) _____	(7) _____
(4) _____	(8) _____

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(9) NIKON CORPORATION

(10) Insert Address of Assignee

(10) 2-3, Marunouchi 3-chome, Chiyoda-ku, Tokyo, Japan

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Date <u>Oct. 16, 2007</u>	Name of Inventor <u>Tomoharu Fujiwara</u> (SEAL)
Date _____	Name of Inventor _____ (SEAL)
Date _____	Name of Inventor _____ (SEAL)
Date _____	Name of Inventor _____ (SEAL)
Date _____	Name of Inventor _____ (SEAL)
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Date _____	Name of Inventor _____ (SEAL)

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Date _____	Witness _____
Date _____	Witness _____

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2006/309002

A. CLASSIFICATION OF SUBJECT MATTER

H01L21/027(2006.01) i

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H01L21/027

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2006
Kokai Jitsuyo Shinan Koho	1971-2006	Toroku Jitsuyo Shinan Koho	1994-2006

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1519231 A1 (ASML Netherlands B.V.), 30 March, 2005 (30.03.05), Par. Nos. [0025] to [0030]; Claims 1 to 2, 4; all drawings & US 2005-94114 A1 & JP 2005-175433 A & DE 60302897 A1	1-10, 17-18, 22-30 11-16, 19-21
Y	JP 2004-289128 A (ASML Netherlands B.V.), 14 October, 2004 (14.10.04), Claims 1 to 5; Par. No. [0043]; all drawings & EP 1420299 A2 & US 2004-160582 A1 & US 2004-211920 A1 & US 2005-36121 A1 & KR 2004-44123 A & KR 2004-44128 A & CN 1501172 A & CN 1501175 A & TW 2004-24790 A & TW 2004-22783 A	11-16, 19-21

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
18 July, 2006 (18.07.06)Date of mailing of the international search report
25 July, 2006 (25.07.06)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

Form PCT/ISA/210 (second sheet) (April 2005)

PATENT

RECORDED: 10/26/2007

REEL: 020066 FRAME: 0965