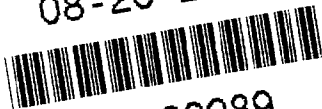


08-26-2004



102822289

MENTS ONLY

FORM PTO-1595

(Rev. 10/02)

Docket No.: 55071-358

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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

8.20 '04

1. Name of Conveying Party(ies):
Robert SOCHA, Donis FLAGELLO, Steve HANSEN

2. Name and address of receiving party(ies):
Name: **ASML MASKTOOLS B.V.**
Address: **Corporate IP, Building 7B0,
De Run 6665,
Veldhoven, THE NETHERLANDS 5504 DT**

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

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

Execution Date: July 16, 2004, July 8, 2004, July 8, 2004
(respectively)

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

4. Application number(s) or patent number(s):
If the document is being filed together with a new application, the execution date of the application is: July 16, 2004, July 8, 2004, July 8, 2004 (respectively)

A. Patent Application No(s).

B. Patent No(s).

101921878

Additional numbers attached? Yes No

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

Name: **MCDERMOTT WILL & EMERY LLP**

Internal Address:

Street Address: **600 13th Street, N.W.**

City: **Washington** State: **D. C.** Zip: **20005-3096**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41) **\$40.00**

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

500417

DO NOT USE THIS SPACE

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.

David M. Tennant, 48,362

August 20, 2004

Name and Registration No. of Person Signing

Signature

Date

Total number of pages including cover sheet: **4**

OMB No. 0651-0027 (exp. 6/30/2005)

08/26/2004 MGETACHE 00000174 500417 10921878

01 FC:8021 40.00 DA

PATENT
REEL: 015716 FRAME: 0315

ASSIGNMENT

WHEREAS, Robert SOCHA, Donis FLAGELLO, Steve HANSEN, hereinafter called the "Assignors," have jointly invented a new and useful invention as set forth in an application for United States Letters Patent, entitled OPTIMIZED POLARIZATION ILLUMINATION, executed by me on the date of execution of this document, as shown below, and filed concurrently herewith; and for which a United States Provisional Patent application was filed on December 19, 2003, entitled "Lithography Illumination Optimized with Polarization," and identified by United States Serial No. 60/530,662;

WHEREAS, ASML MASKTOOLS B.V., a corporation organized and existing under the laws of the The Netherlands, having a place of business at Corporate IP, Building 7B0, De Run 6665, 5504 DT Veldhoven, The Netherlands, hereinafter called the "Assignee," is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under any Letters Patent which may be obtained to said invention, as hereinafter more fully set forth;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient considerations, the receipt of which by said Assignors from the said Assignee is hereby acknowledged, the said Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, the entire, right, title and interest for the United States in and to the invention and application hereinabove identified, and any Letters Patent of the United States that may issue for said invention, together with the entire right, title and interest in and to said invention and applications for Letters Patent and Letters Patent therefor, in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; to have and to hold for the sole and exclusive use and benefit of the said Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said inventions may issue.

And the said Assignors do hereby covenant and agree, for themselves and their legal representatives, that they will assist the said Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the said Assignee may elect to make covering the invention herein identified, as hereinabove set forth; in vesting in the said Assignee like exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patent herein contemplated; and that they will execute and deliver to the said Assignee any and all additional papers which may be requested by the said Assignee to fully carry out the terms of this Assignment.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue Letters Patent to the said Assignee in accordance with the terms of this Assignment.

July 16, 2004

Date

Robert Socha

Robert Socha

July 8, 2004

Date

Donis Flagello

Donis Flagello

July 8, 2004

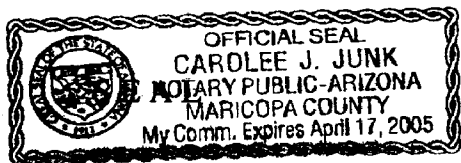
Date

Steve Hansen

Steve Hansen

STATE OF ARIZONA)
COUNTY OF MARICOPA) SS:

On this 8th day of July, 2004, before me personally appeared DONIS FLAGELLO, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



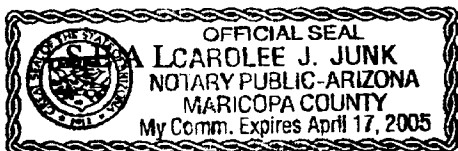
Carollee Junk

Notary Public

My commission expires Apr 17, 2005

STATE OF ARIZONA)
COUNTY OF MARICOPA) SS:

On this 8th day of July, 2004, before me personally appeared STEVE HANSEN, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



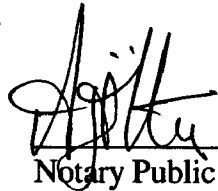
Carollee Junk

Notary Public

My commission expires Apr 17, 2005

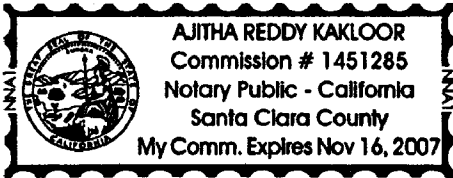
STATE OF California)
) SS:
COUNTY OF Santa Clara

On this 16 day of July, 2004, before me personally appeared Robert Socha, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



Notary Public

SEAL



My commission expires 16 November 2007