

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the missing name and execution date of the 1st Conveying Party previously recorded on Reel 020180 Frame 0917. Assignor (s) hereby confirms the missing name and execution date of the 1st Conveying Party should read: Duan-Fu Stephen HSU and November 20, 2007 respectively.

CONVEYING PARTY DATA

Name	Execution Date
Duan-Fu Stephen HSU	11/20/2007
Jung Chul PARK	11/20/2007
Douglas VAN DEN BROEKE	11/20/2007
Jang Fung CHEN	11/20/2007

RECEIVING PARTY DATA

Name:	ASML MASKTOOLS B.V.
Street Address:	P.O. Box 324
City:	5500 AH Veldhoven
State/Country:	NETHERLANDS

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11898646

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	055071-0647
NAME OF SUBMITTER:	Michael E. Fogarty, 36,139

CH \$40.00 11898646

Total Attachments: 5

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11-30-2007



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Docket No.: 055071-0647

PATENTS ONLY

To the Director of the U. S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of Conveying Party(ies)

Jung Chul PARK, Douglas VAN DEN BROEKE, Jang Fung CHEN

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

3. Nature of Conveyance/Execution Date(s)

Execution Date(s): November 20, 2007

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other

2. Name and address of receiving party(ies)

Name: ASML MASKTOOLS B.V.

Internal Address:

Address: P.O. Box 324, 5500 AH Veldhoven, The Netherlands

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

4. Application or patent number(s):

A. Patent Application No(s).

11/898,646

This document is being filed together with a new application.

B. Patent No(s).

Additional numbers attached? Yes No

5. Name and address 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

Phone Number: 202.756.8000

Fax Number: 202.756.8087

Email Address:

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information:

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number 500417

Authorized User Name _____

51 FC:8021

40.00 DA

9. Signature.

Michael E. Fogarty, 36, 139

November 27, 2007

Name and Registration No. of Person Signing

Signature

Date

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

3

PATENT

REEL: 020771 FRAME: 0242

ASSIGNMENT

WHEREAS, Stephen HSU, Jung Chul PARK, Douglas VAN DEN BROEKE and Jang Fung CHEN, hereinafter called the "Assignors," have invented a new and useful invention entitled METHOD AND APPARATUS FOR PERFORMING MODEL-BASED OPC FOR PATTERN DECOMPOSED FEATURES, for which they have:

- (a) filed an application for United States Letters Patent on September 13, 2007 as (Serial No. 11/898,646); or
- (b) executed an application for United States Letters Patent on _____; and

WHEREAS, ASML MASKTOOLS B.V., a corporation organized and existing under the laws of the The Netherlands, having a place of business at P.O. Box 324, 5500 AH 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.

IN TESTIMONY WHEREOF, the said Assignors have hereunto set their hands.

Date

11/20/07

Inventor: Duan-Fu Stephen HSU



Date

11/20/07

Inventor: Jung Chul PARK



Date

NOV 20, 2007

Inventor: Douglas VAN DEN BROEKE



Date

NOV. 20, 2007

Inventor: Jang-Fung CHEN

