

NRD 10-1-03

01-06-2004

2278 U.S. PTO
10/677041

100103

Form PTO-1595
(Rev. 10/02)

RE

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

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

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

1. Name of conveying party(ies):

Bharath Rangarajan
Ramkumar Subramanian
Bhanwar Singh

2. Name and address of receiving party(ies)

Name: Advanced Micro Devices, Inc.

Internal Address: _____

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

3. Nature of conveyance:

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

Street Address: One AMD Place, P.O. Box 3453

City: Sunnyvale State: California Zip: 94088

Execution Date: 3/27/03; 3/31/03; 7/30/03

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

4. Application number(s) or patent number(s):

3/27/03; 3/31/03;

If this document is being filed together with a new application, the execution date of the application is: 7/30/03

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Gregory Turocy

Internal Address: _____

Amin & Turocy, LLP

Street Address: 24th Floor, National City Center

1900 E. 9th Street

City: Cleveland State: Ohio Zip: 44114

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:

50-1063

(Attach duplicate copy of this page if paying by deposit account)

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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.

Gregory Turocy, Reg. No. 36,952

October 1, 2003

Date

01/06/2004 DBYRNE 00000010f 501063 10/677041

01 FC:8021 40.00 00 Total number of pages including cover sheet, attachments, and documents: 5

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231PATENT
REEL: 014233 FRAME: 0312

ASSIGNMENT

For good and valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, the undersigned

BR 7-30-03
1111 Timberpine Court
Sunnyvale, CA 94086
Bharath Rangarajan
~~2295 Dolores Avenue~~
~~Santa Clara, California 95050~~
Ramkumar Subramanian
1155-D La Rochelle Terrace
Sunnyvale, California 94089

Bhanwar Singh
17122 Heatherwood Way
Morgan Hill, California 95037

hereby sell and assign to ADVANCED MICRO DEVICES, INC., a corporation of Delaware having a place of business at One AMD Place, P.O. Box 3453, Sunnyvale, California 94088-3453, U.S.A., its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions entitled

**USE OF SCATTEROMETRY AS A CONTROL TOOL IN THE
MANUFACTURE OF EXTREME UV MASKS**

for which application for United States Letters Patent has been filed on _____ under Serial No. _____, or was executed by the undersigned on the date below and is being filed concurrently herewith, said application for United States Letters Patent, any and all other applications for Letters Patent on said inventions in countries foreign to the United States, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent; said assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said assignee or otherwise as said assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments being hereby authorized to issue or transfer all said Letters Patent to said assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to assure that said inventions, patent applications and Letters Patent shall be held and enjoyed by said assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and substance which may be requested by said assignee, to furnish

said assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions, and to testify in any proceedings relating to said inventions, patent applications and Letters Patent.

Signed:

Date:

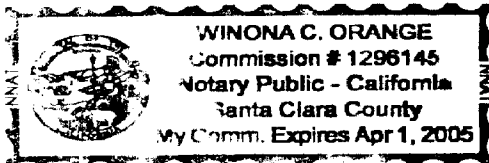
Bharath Rangarajan
Bharath Rangarajan

7/30/03

CERTIFICATE OF ACKNOWLEDGMENT

State of California
County of Santa Clara
On July 30, 2003 before me, WINONA C. ORANGE, Notary Public,
personally appeared Bharath Rangarajan
Name and Title of Officer (e.g., "Jane Doe, Notary Public")
Name(s) of Signer(s)

☒ personally known to me - OR - ☒ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Winona C. Orange
Signature of Notary Public

Signed:

Date:

Ramkumar Subramanian

3/27/03

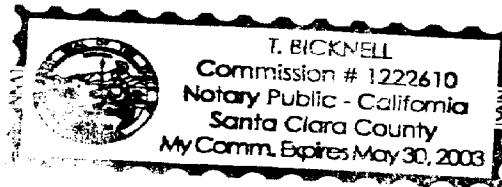
CERTIFICATE OF ACKNOWLEDGMENT

State of California
County of Santa Clara
On March 27, 2003 before me, T. Bicknell Notary Public,
Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared Ramkumar Subramanian
Name(s) of Signer(s)

☐ ~~personally known to me~~ - OR - ☒ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(~~ies~~), and that by his/~~her/their~~ signature(~~s~~) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[Signature]
Signature of Notary Public



Signed:

Date:

B Singh
Bhanwar Singh

3/31/03

CERTIFICATE OF ACKNOWLEDGMENT

State of California

County of Santa Clara

On March 31, 2003 before me, T. Bicknell Notary Public,
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Bhanwar Singh
Name(s) of Signer(s)

☐ ~~personally known to me~~ - OR - ☒ ~~proved to me on the~~
basis of satisfactory evidence to be the person(s) whose
name(s) is/are subscribed to the within instrument and
acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by
his/her/their signature(s) on the instrument the person(s), or
the entity upon behalf of which the person(s) acted, executed
the instrument.

WITNESS my hand and official seal.

TB
Signature of Notary Public

