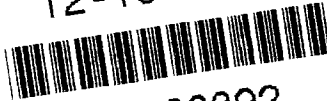


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Srikanteswara Dakshina-Murthy
Bhanwar Singh
Ramkumar Subramanian
Execution Date(s) 12-01-04
9/14/04, 8/27/04, & 8/31/04
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Advanced Micro Devices, Inc.
Internal Address: _____
Street Address: One AMD Place
P.O. Box 3453
City: Sunnyvale
State: California
Country: USA Zip: 94088-3453
Additional name(s) & address(es) attached? Yes No

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4. Application or patent number(s):

A. Patent Application No.(s)
12/03/2004 DTESSEN1 00000009 11000653
04 FC:8021 40.00 DP
Additional numbers attached? Yes No

This document is being filed together with a new application.
B. Patent No.(s)

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

Name: Himanshu S. Amin
Internal Address: _____
Amin & Turocy, LLP
Street Address: 24th Floor, National City Center
1900 E. 9th Street
City: Cleveland
State: Ohio Zip: 44114
Phone Number: (216) 696-8730
Fax Number: (216) 696-8731
Email Address: _____

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Name of Person Signing

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ASSIGNMENT

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

Srikanteswara Dakshina-Murthy
258 Townview Drive
Wappingers Falls, New York 12590

Bhanwar Singh
17122 Heatherwood Way
Morgan Hill, California 95037

Ramkumar Subramanian
1155-D La Rochelle Terrace
Sunnyvale, California 94089

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

**SYSTEMS AND METHODS THAT CONTROL LIQUID TEMPERATURE IN
IMMERSION LITHOGRAPHY TO MAINTAIN TEMPERATURE GRADIENT
TO REDUCE TURBULENCE**

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:

S. Dakshinamurthy

9/14/04.

Srikanteswara Dakshina-Murthy

CERTIFICATE OF ACKNOWLEDGMENT

State of *New York*

County of *Dutchess*

On *September 14, 2004* before me, *MARIE A. ACAMPORA, NOTARY PUBLIC,*
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared *Srikanteswara Dakshina-Murthy*
Name(s) of Signer(s)

personally known to me - OR - proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Marie A. Acampora

Signature of Notary Public

MARIE A. ACAMPORA
Notary Public-State of New York
No. 01AC5068879
Qualified in Dutchess County
Commission Expires Nov. 12, 2006

Signed:

Date:

Bhanwar Singh B Singh

Aug. 27, 04

CERTIFICATE OF ACKNOWLEDGMENT

State of California

County of Santa Clara

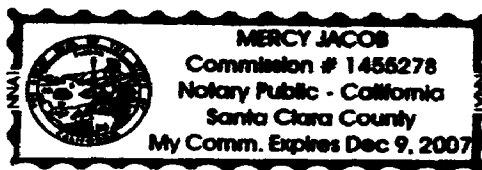
On August 27, 2004 before me, Mercy Jacob, Notary Public.
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

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 whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Mercy Jacob
Signature of Notary Public



Signed:

Date:

Ramkumar Subramanian
Ramkumar Subramanian

Aug 31, 2004

CERTIFICATE OF ACKNOWLEDGMENT

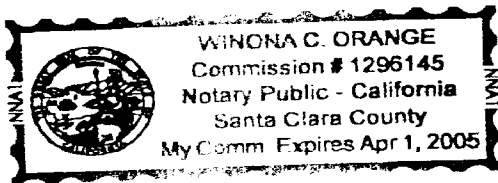
State of California

County of Santa Clara

On August 31, 2004 before me, WINONA C. ORANGE, Notary Public,
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Ramkumar Subramanian
Name(s) of Signer(s)

~~X~~ personally known to me - ~~OR~~ - ~~proved to me on the basis of satisfactory evidence~~ to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



WITNESS my hand and official seal.

Winona C. Orange
Signature of Notary Public