

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

|  |                                    |
|--|------------------------------------|
| SUBMISSION TYPE:   | NEW ASSIGNMENT                     |
| NATURE OF CONVEYANCE:  | ASSIGNMENT                         |
| <b>CONVEYING PARTY DATA</b>  |                                    |
| <b>Name</b>  | <b>Execution Date</b>              |
| Bijay S. Saha  | 03/28/2006                         |
| Munehiro Toyama  | 02/14/2006                         |
| Ehab A. Nasir  | 03/29/2006                         |
| Omar J. Bchir  | 02/13/2006                         |
| Charavana K. Gurumurthy  | 03/12/2006                         |
| <b>RECEIVING PARTY DATA</b>  |                                    |
| Name:  | Intel Corporation                  |
| Street Address:  | 2200 Mission College Blvd.         |
| City:  | Santa Clara                        |
| State/Country:   | CALIFORNIA                         |
| Postal Code:   | 95052                              |
| <b>PROPERTY NUMBERS Total: 1</b>   |                                    |
| <b>Property Type</b>   | <b>Number</b>                      |
| Application Number:  | 11320273                           |
| <b>CORRESPONDENCE DATA</b>   |                                    |
| Fax Number:  | (408)720-8383                      |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> |                                    |
| Phone:   | 408-720-8300                       |
| Email:   | katie_duffy@bstz.com               |
| Correspondent Name:  | Blakely, Sokoloff, Taylor & Zafman |
| Address Line 1:  | 1279 Oakmead Parkway               |
| Address Line 4:  | Sunnyvale, CALIFORNIA 94085        |
| ATTORNEY DOCKET NUMBER:  | 42P22696                           |
| NAME OF SUBMITTER:   | Edwin H. Taylor, Reg. No. 25,129   |

CH \$40.00 11320273

Total Attachments: 7

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### RECORDATION FORM COVER SHEET 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)**

Bijay S. Saha; Munehiro Toyama; Ehab A. Nasir;  
Omar J. Bchir; Charavana K. Gurumurthy

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

**2. Name and address of receiving party(ies)**

Name: Intel Corporation

Internal Address: \_\_\_\_\_

Street Address: 2200 Mission College Boulevard

City: Santa Clara

State: California

Country: USA Zip: 95052

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

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 3/28/06;2/14/06;3/29/06;2/13/06;3/12/06

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

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

This document is being filed together with a new application.

A. Patent Application No.(s)

11/320,273

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Blakely, Sokoloff, Taylor & Zafman LLP

Internal Address: \_\_\_\_\_

Street Address: 1279 Oakmead Parkway

City: Sunnyvale

State: California Zip: 94085

Phone Number: 408-720-8300

Fax Number: 408-720-8383

Email Address: \_\_\_\_\_

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

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

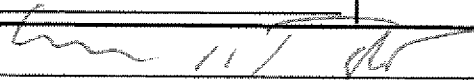
- Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**

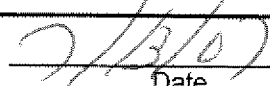
a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 02-2666

Authorized User Name Edwin H. Taylor

**9. Signature:**

Signature



Date

Edwin H. Taylor, Reg No. 25,129

Name of Person Signing

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

7

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Docket No.

## **ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

**Bijay S. Saha; Munehiro Toyama; Ehab A. Nasir; Omar J. Bchir; Charavana K. Gurumurthy**

hereby sell, assign, and transfer to:

**Intel Corporation**

a Corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California 95052 United States ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent filed on December 28, 2005, and assigned Application No. 11/320,273 and is entitled:

### **A Method of Substrate Manufacture That Decreases the Package Resistance**

and in and to said application and all provisional, design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority from the filing of said United States applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional, design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, power of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

**Each Inventor: Please Sign and Date Below:**

|          |                                      |
|----------|--------------------------------------|
| 03/28/06 | Bijay S Saha                         |
| Date     | Name: <b>Bijay S. Saha</b>           |
|          |                                      |
| Date     | Name: <b>Munehiro Toyama</b>         |
|          |                                      |
| Date     | Name: <b>Nasir A. Ehab</b>           |
|          |                                      |
| Date     | Name: <b>Omar J. Bchir</b>           |
|          |                                      |
| Date     | Name: <b>Charavana K. Gurumurthy</b> |
|          |                                      |
| Date     | Name:                                |
|          |                                      |
| Date     | Name:                                |
|          |                                      |
| Date     | Name:                                |
|          |                                      |
| Date     | Name:                                |
|          |                                      |
| Date     | Name:                                |
|          |                                      |
| Date     | Name:                                |

Assignment Document Return Address:  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Boulevard, 7th Floor  
Los Angeles, CA 90025  
Telephone: (310) 207-3800

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Each Inventor: Please Sign and Date Below:

|                       |                                      |
|-----------------------|--------------------------------------|
| _____                 | _____                                |
| Date                  | Name: <b>Bijay S. Saha</b>           |
| <i>Feb-14-th 2006</i> | <i>[Signature]</i>                   |
| _____                 | _____                                |
| Date                  | Name: <b>Munehiro Toyama</b>         |
| _____                 | _____                                |
| Date                  | Name: <b>Nasir A. Ehab</b>           |
| _____                 | _____                                |
| Date                  | Name: <b>Omar J. Behir</b>           |
| _____                 | _____                                |
| Date                  | Name: <b>Charavana K. Gurumurthy</b> |
| _____                 | _____                                |
| Date                  | Name:                                |
| _____                 | _____                                |
| Date                  | Name:                                |
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| Date                  | Name:                                |
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| Date                  | Name:                                |
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| Date                  | Name:                                |
| _____                 | _____                                |
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Date Name: **Bijay S. Saha**

\_\_\_\_\_  
Date Name: **Munehiro Toyama**

3/29/06  
Date Name: **Ehab A. Nasir**

\_\_\_\_\_  
Date Name: **Omar J. Bchir**

\_\_\_\_\_  
Date Name: **Charavana K. Gurumurthy**

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Date \_\_\_\_\_ Name: **Bijay S. Saha**

Date \_\_\_\_\_ Name: **Munehiro Toyama**

Date \_\_\_\_\_ Name: **Nasir A. Ehab**

Date 2/13/2006 Name: 

Date \_\_\_\_\_ Name: **Omar J. Bchir**

Date \_\_\_\_\_ Name: **Charavana K. Gurumurthy**

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

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Date \_\_\_\_\_ Name: **Munehiro Toyama**

Date \_\_\_\_\_ Name: **Nasir A. Ehab**

Date \_\_\_\_\_ Name: **Omar J. Bchir**

<sup>TH</sup>  
12 MARCH 2006

Date \_\_\_\_\_ Name: **Charavana K. Gurumurthy**

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

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