

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

| SUBMISSION TYPE:  | NEW ASSIGNMENT                     |               |                |                |            |                 |            |
|---|------------------------------------|---------------|----------------|----------------|------------|-----------------|------------|
| NATURE OF CONVEYANCE:   | ASSIGNMENT                         |               |                |                |            |                 |            |
| CONVEYING PARTY DATA  |                                    |               |                |                |            |                 |            |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Andre Schaefer</td> <td>02/02/2012</td> </tr> <tr> <td>Ruchir Saraswat</td> <td>01/02/2012</td> </tr> </tbody> </table>                   |                                    | Name          | Execution Date | Andre Schaefer | 02/02/2012 | Ruchir Saraswat | 01/02/2012 |
| Name  | Execution Date                     |               |                |                |            |                 |            |
| Andre Schaefer  | 02/02/2012                         |               |                |                |            |                 |            |
| Ruchir Saraswat   | 01/02/2012                         |               |                |                |            |                 |            |
| RECEIVING PARTY DATA  |                                    |               |                |                |            |                 |            |
| Name:   | Intel Corporation                  |               |                |                |            |                 |            |
| Street Address:   | 2200 Mission College Boulevard     |               |                |                |            |                 |            |
| City:   | Santa Clara                        |               |                |                |            |                 |            |
| State/Country:  | CALIFORNIA                         |               |                |                |            |                 |            |
| Postal Code:  | 95052                              |               |                |                |            |                 |            |
| PROPERTY NUMBERS Total: 1   |                                    |               |                |                |            |                 |            |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US1167286</td> </tr> </tbody> </table>  |                                    | Property Type | Number         | PCT Number:    | US1167286  |                 |            |
| Property Type   | Number                             |               |                |                |            |                 |            |
| PCT Number:   | US1167286                          |               |                |                |            |                 |            |
| CORRESPONDENCE DATA   |                                    |               |                |                |            |                 |            |
| Fax Number:   | (503)439-6073                      |               |                |                |            |                 |            |
| Phone:  | 5034398778                         |               |                |                |            |                 |            |
| Email:  | michele_winther@bstz.com           |               |                |                |            |                 |            |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>   |                                    |               |                |                |            |                 |            |
| Correspondent Name:   | Blakely Sokoloff Taylor Zafman LLP |               |                |                |            |                 |            |
| Address Line 1:   | 1279 Oakmead Parkway               |               |                |                |            |                 |            |
| Address Line 4:   | Sunnyvale, CALIFORNIA 94085        |               |                |                |            |                 |            |
| ATTORNEY DOCKET NUMBER:   | 42P40377PCT                        |               |                |                |            |                 |            |
| NAME OF SUBMITTER:  | Mark C. Van Ness                   |               |                |                |            |                 |            |
| <p>Total Attachments: 4</p> <p>source=40377PCT_Executed_Assignment#page1.tif</p> <p>source=40377PCT_Executed_Assignment#page2.tif</p> <p>source=40377PCT_Executed_Assignment#page3.tif</p> <p>source=40377PCT_Executed_Assignment#page4.tif</p> |                                    |               |                |                |            |                 |            |

CH \$40.00 US1167286

## **ASSIGNMENT**

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

**Andre Schaeffer; Ruchir Saraswat**

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 USA ("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 International application entitled:

### **SEPARATE MICROCHANNEL VOLTAGE DOMAINS IN STACKED MEMORY ARCHITECTURE**

(I hereby authorize and request my attorney, associated with Customer Number 45209, to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on December 23, 2011 as

International Application Number PCT/US11/67286 and

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said International application and all related applications (e.g. national phase applications, divisional applications, continuation applications, reexaminations, reissues, and the like) that have been or shall be filed in the United States and/or all foreign countries on said inventions and improvements, as well as in and to all rights of priority resulting from the filing of said International application;

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 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, powers 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.

Name: Andre Schaeffer

Date

*Ruchi Saraswat*

01/02/2012

Name: Ruchi Saraswat

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Assignment Document Return Address:  
BLAKELY, SOLOFF, TAYLOR & ZAPMAN LLP  
1279 Oakmead Parkway  
Sunnyvale, CA 94085-4040  
Telephone: (650) 433-8778

## **ASSIGNMENT**

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

**Andre Schaeffer; Ruchir Saraswat**

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 USA ("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 International application entitled:

### **SEPARATE MICROCHANNEL VOLTAGE DOMAINS IN STACKED MEMORY ARCHITECTURE**

(I hereby authorize and request my attorney, associated with Customer Number 45209, to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on December 23, 2011 as

International Application Number PCT/US11/67286 and

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said International application and all related applications (e.g. national phase applications, divisional applications, continuation applications, reexaminations, reissues, and the like) that have been or shall be filed in the United States and/or all foreign countries on said inventions and improvements, as well as in and to all rights of priority resulting from the filing of said International application;

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 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, powers 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.

  
Name: **Andre Schaeffer**

2/12/2012  
Date

Name: **Ruchir Saraswat**

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Assignment Document Return Address:  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
1279 Oakmead Parkway  
Sunnyvale, CA 94085-4040  
Telephone: (503) 439-8778