

## 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>Stanislav SHWARTSMAN</td> <td>11/21/2012</td> </tr> <tr> <td>Melih OZGUL</td> <td>11/27/2012</td> </tr> <tr> <td>Sebastien HILY</td> <td>11/20/2012</td> </tr> <tr> <td>Shlomo RAIKIN</td> <td>11/21/2012</td> </tr> <tr> <td>Raanan SADE</td> <td>11/21/2012</td> </tr> <tr> <td>Ron SHALEV</td> <td>11/25/2012</td> </tr> </tbody> </table> |                                       | Name          | Execution Date    | Stanislav SHWARTSMAN | 11/21/2012                     | Melih OZGUL | 11/27/2012  | Sebastien HILY | 11/20/2012 | Shlomo RAIKIN | 11/21/2012 | Raanan SADE | 11/21/2012 | Ron SHALEV | 11/25/2012 |
| Name  | Execution Date                        |               |                   |                      |                                |             |             |                |            |               |            |             |            |            |            |
| Stanislav SHWARTSMAN  | 11/21/2012                            |               |                   |                      |                                |             |             |                |            |               |            |             |            |            |            |
| Melih OZGUL   | 11/27/2012                            |               |                   |                      |                                |             |             |                |            |               |            |             |            |            |            |
| Sebastien HILY  | 11/20/2012                            |               |                   |                      |                                |             |             |                |            |               |            |             |            |            |            |
| Shlomo RAIKIN   | 11/21/2012                            |               |                   |                      |                                |             |             |                |            |               |            |             |            |            |            |
| Raanan SADE   | 11/21/2012                            |               |                   |                      |                                |             |             |                |            |               |            |             |            |            |            |
| Ron SHALEV  | 11/25/2012                            |               |                   |                      |                                |             |             |                |            |               |            |             |            |            |            |
| RECEIVING PARTY DATA  |                                       |               |                   |                      |                                |             |             |                |            |               |            |             |            |            |            |
| <table border="1"> <tr> <td>Name:</td> <td>INTEL CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>2200 Mission College Boulevard</td> </tr> <tr> <td>City:</td> <td>Santa Clara</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95052</td> </tr> </table>  |                                       | Name:         | INTEL CORPORATION | Street Address:      | 2200 Mission College Boulevard | City:       | Santa Clara | State/Country: | CALIFORNIA | Postal Code:  | 95052      |             |            |            |            |
| 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>US2011068208</td> </tr> </tbody> </table>   |                                       | Property Type | Number            | PCT Number:          | US2011068208                   |             |             |                |            |               |            |             |            |            |            |
| Property Type   | Number                                |               |                   |                      |                                |             |             |                |            |               |            |             |            |            |            |
| PCT Number:   | US2011068208                          |               |                   |                      |                                |             |             |                |            |               |            |             |            |            |            |
| CORRESPONDENCE DATA   |                                       |               |                   |                      |                                |             |             |                |            |               |            |             |            |            |            |
| Fax Number:   | 4087208383                            |               |                   |                      |                                |             |             |                |            |               |            |             |            |            |            |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>  |                                       |               |                   |                      |                                |             |             |                |            |               |            |             |            |            |            |
| Phone:  | 408-720-8300                          |               |                   |                      |                                |             |             |                |            |               |            |             |            |            |            |
| Email:  | marcia_shea@bstz.com                  |               |                   |                      |                                |             |             |                |            |               |            |             |            |            |            |
| Correspondent Name:   | BLAKELY SOKOLOFF TAYLOR & ZAFMAN, LLP |               |                   |                      |                                |             |             |                |            |               |            |             |            |            |            |
| Address Line 1:   | 1279 Oakmead Parkway                  |               |                   |                      |                                |             |             |                |            |               |            |             |            |            |            |
| Address Line 4:   | Sunnyvale, CALIFORNIA 94085           |               |                   |                      |                                |             |             |                |            |               |            |             |            |            |            |
| ATTORNEY DOCKET NUMBER:   | 42P39534PCT                           |               |                   |                      |                                |             |             |                |            |               |            |             |            |            |            |
| NAME OF SUBMITTER:  | Robert B. O'Rourke                    |               |                   |                      |                                |             |             |                |            |               |            |             |            |            |            |

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**Total Attachments: 8**

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## **ASSIGNMENT**

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

**STANISLAV SHWARTSMAN; MELIH OZGUL; SEBASTIEN HILY; SHLOMO RAIKIN;  
RAANAN SADE; RON SHALEV**

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:

### **METHOD AND APPARATUS FOR CUTTING THE SENIOR STORE LATENCY USING STORE PREFETCHING**

(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 30, 2011 as

International Application Number PCT/US2011/068208 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: **STANISLAV SHWARTSMAN**

*Nov 21, 2012*  
Date

Name: **MELIH OZGUL**


Date

Name: **SEBASTIEN HILY**

Date

  
Name: **SHLOMO RAIKIN**

*November 21, 2012*  
Date

  
Name: **RAANAN SADE**

*Nov 21, 2012*  
Date

Name: **RON SHALEV**

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

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

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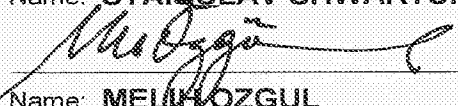
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agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, 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: <b>STANISLAV SHWARTSMAN</b><br> | Date<br><b>11/27/12</b> |
| Name: <b>MELIH OZGUL</b>   | Date                    |
| Name: <b>SEBASTIEN HILY</b>  | Date                    |
| Name: <b>SHLOMO RAIKIN</b>   | Date                    |
| Name: <b>RAANAN SADE</b>   | Date                    |
| Name: <b>RON SHALEV</b>  | Date                    |
| Name:  | Date                    |
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Assignment Document Return Address:  
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Name: **STANISLAV SHWARTSMAN**

Date

Name: **MELIH OZGUL**

Date

Name: **SEBASTIEN HILY**

Date

*11-20-2012*

Name: **SHLOMO RAIKIN**

Date

Name: **RAANAN SADE**

Date

Name: **RON SHALEV**

Date

Name:

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Name: **STANISLAV SHWARTSMAN** Date

Name: **MELIH OZGUL** Date

Name: **SEBASTIEN HILY** Date

Name: **SHLOMO RAIKIN** Date

Name: **RAANAN SADE** Date

  
Name: **RON SHALEV** Date 25/11/12

Name: Date

Name: Date

Name: Date

Name: Date

Name: Date

Name: Date

Assignment Document Return Address:  
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