

## PATENT ASSIGNMENT

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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>Alexei Davydov</td> <td>06/25/2012</td> </tr> <tr> <td>Gregory Morozov</td> <td>06/25/2012</td> </tr> <tr> <td>Alexander Maltsev</td> <td>06/25/2012</td> </tr> <tr> <td>Ilya Bolotin</td> <td>06/26/2012</td> </tr> <tr> <td>Vadim Sergeev</td> <td>06/25/2012</td> </tr> </tbody> </table>		Name	Execution Date	Alexei Davydov	06/25/2012	Gregory Morozov	06/25/2012	Alexander Maltsev	06/25/2012	Ilya Bolotin	06/26/2012	Vadim Sergeev	06/25/2012
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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		
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CORRESPONDENCE DATA													
<p>Fax Number: (503)796-2900          Phone: (503) 222-9981          Email: alee@schwabe.com  <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Schwabe, Williamson &amp; Wyatt, P.C.          Address Line 1: 1211 SW Fifth Avenue, Suite 1600          Address Line 4: Portland, OREGON 97204</p>													
ATTORNEY DOCKET NUMBER:	111027-185695 / P44192												
NAME OF SUBMITTER:	Aileen Lee												
<p>Total Attachments: 3          source=P44192 Assignment 06_27_12#page1.tif          source=P44192 Assignment 06_27_12#page2.tif          source=P44192 Assignment 06_27_12#page3.tif</p>													

CH \$40.00 13534313

**ASSIGNMENT**

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

**ASSIGNORS:** Alexei Davydov, Gregory Morozov, Alexander Maltsev, Ilya Bolotin, and Vadim Sergeev

hereby sell, assign, and transfer to

**ASSIGNEE:** Intel Corporation  
2200 Mission College Boulevard  
Santa Clara, California 95052

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 improvements that are disclosed in the application for the United States patent entitled:

**COORDINATED MULTIPOINT CONFIGURATION BASED ON CHANNEL STATE  
INFORMATION REFERENCE SIGNALS**

(I hereby authorize and request my attorney, associated with Customer Number 0031817, to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on June 27, 2012 as  
United States Application Number 13/534,313 and

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

and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said 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 divisional

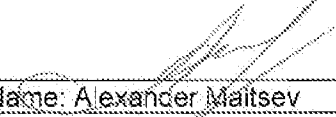
applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said 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.

**Inventor: Please sign and date below:**

June 25, 2012   
Date Name: Alexei Davydov

June 25, 2012   
Date Name: Gregory Morozov

June 25, 2012   
Date Name: Alexander Maitsev

Date Name: Ilya Bolotin

June 25, 2012   
Date Name: Vadim Sergeev

**Assignment Document Return Address:**

Schwabe, Williamson & Wyatt, P.C.  
Pacwest Center, Suite 1600  
1211 SW Fifth Avenue  
Portland, Oregon 97204  
Telephone: 503-222-9981

IPN: P44192

applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

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**Inventor: Please sign and date below:**

\_\_\_\_\_ Date \_\_\_\_\_ Name: Alexei Davydov

\_\_\_\_\_ Date \_\_\_\_\_ Name: Gregory Morozov

\_\_\_\_\_ Date \_\_\_\_\_ Name: Alexander Maltsev

June 26 2012 \_\_\_\_\_  
 \_\_\_\_\_ Date \_\_\_\_\_ Name: Ilya Bolotin

\_\_\_\_\_ Date \_\_\_\_\_ Name: Vadim Sergeyev

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