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Atty Ref/Docket No.: 884.H18US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Siavash M. Alamouti, Alexander Alexandrovich Maltsev,  
Nikolay Vasilevich Chistyakov, Alexander  
Alexandrovich Maltsev and Vadim Sergeyevech  
Sergeyev

Additional name(s) of conveying party(ies) attached?

[ ] Yes [X] No

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

Name: Intel Corporation

Street Address: 2200 Mission College Blvd.

City: Santa Clara State: CA Zip: 95052

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

3. Nature of conveyance:

[X] Assignment [ ] Merger

[ ] Security Agreement [ ] Change of Name

[ ] Other

Execution Date: January 27, 2009, February 3, 2009,  
February 3, 2009, February 3, 2009, October 24, 2008

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

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 12/301,669, filed November 20, 2008

Additional numbers attached? [ ] Yes [X] No

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

Name: Gregory J. Gorrie

Address:

Schwegman, Lundberg & Woessner, P.A.

P.O. Box 2938

Minneapolis, MN 55402-0938

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

[ ] Enclosed

[X] Authorized to be charged to deposit account  
19-0743

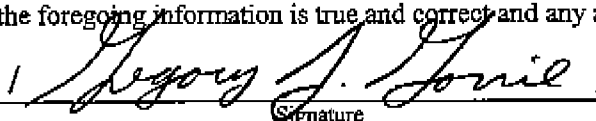
8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Gregory J. Gorrie/Reg. No. 36,530  
Name of Person Signing



September 10, 2009  
Date

Total number of pages including cover sheet: 11

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Mail Stop Assignment Recordation Services  
P.O. Box 1450  
Alexandria, VA 22313-1450

PATENT

REEL: 023218 FRAME: 0948

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CH \$40.00 190743 12301669

### ASSIGNMENT

WHEREAS, We, Siavash M. Alamouti, residing at 796 NE Brennan Lane, Hillsboro, OR 97124, and Alexander Alexandrovich Maltsev, residing at Verhne-Pecherskaya Str., 1-7, Nizhny Novgorod, 603163, Russian Federation, and Nikolay Vasilevich Chistyakov, residing at 41 Apt., Iylicya Str. 32/2, Nizhny Novgorod, 603122, Russian Federation, and Alexander Alexandrovich Maltsev, Jr., residing at Verhne-Pecherskaya Str., 1-7, Nizhny Novgorod, 603163, Russian Federation, and Vadim Sergevevich Sergeev, residing at Vaneyeva Str., 19/28, Nizhny, Novgorod 603105, Russian Federation, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on November 20, 2008, which application was assigned U.S. patent application serial number 12/301,669, and is entitled MILLIMETER-WAVE REFLECTOR ANTENNA SYSTEM AND METHODS FOR COMMUNICATING USING MILLIMETER-WAVE SIGNALS;

AND WHEREAS, Intel Corporation, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 2200 Mission College Blvd., Santa Clara, CA 95052 (hereinafter "Assignee"), is desirous of acquiring the entire right, priority right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

Docket No: 884.1118US1  
Serial Number: 12/301,669  
Filing Date: November 20, 2008  
Page 2 of 3

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

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

IN TESTIMONY WHEREOF, I have hereunto set my hand this 27 day of January, 2009.

  
\_\_\_\_\_  
Siavash M. Alamouri

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Alexander A. Maltsev

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Nikolay V. Chistyakov

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Alexander A. Maltsev, Jr.

Docket No: 684,H18US1  
Serial Number: 12/301,669  
Filing Date: November 20, 2008  
Page 3 of 3

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Vadim S. Sergeyev

## ASSIGNMENT

WHEREAS, We, Siavash M. Alamouti, residing at 796 NE Brennan Lane, Hillsboro, OR 97124, and Alexander Alexandrovich Maltsev, residing at Verhne-Pecherskaya Str., 1-7, Nizhny Novgorod, 603163, Russian Federation, and Nikolay Vasilevich Chistyakov, residing at 41 Apt., Ivlieva Str. 32/2, Nizhny Novgorod, 603122, Russian Federation, and Alexander Alexandrovich Maltsev, Jr., residing at Verhne-Pecherskaya Str., 1-7, Nizhny Novgorod, 603163, Russian Federation, and Vadim Sergeevich Sergeev, residing at Vaneyeva Str., 19/28, Nizhny, Novgorod 603105, Russian Federation, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on November 20, 2008, which application was assigned U.S. patent application serial number 12/301,659, and is entitled MILLIMETER-WAVE REFLECTOR ANTENNA SYSTEM AND METHODS FOR COMMUNICATING USING MILLIMETER-WAVE SIGNALS:

AND WHEREAS, Intel Corporation, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 2200 Mission College Blvd., Santa Clara, CA 95052 (hereinafter "Assignee"), is desirous of acquiring the entire right, priority right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

Docket No: 684, H18U81  
 Serial Number: 12/301,669  
 Filing Date: November 20, 2008  
 Page 2 of 3

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

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

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
 Siavash M. Alarnouti

IN TESTIMONY WHEREOF, I have hereunto set my hand this 3 day of February, 2009.

\_\_\_\_\_  
 Alexander A. Maltsev

IN TESTIMONY WHEREOF, I have hereunto set my hand this 3 day of February, 2009.

\_\_\_\_\_  
 Nikolay V. Chistyakov

IN TESTIMONY WHEREOF, I have hereunto set my hand this 3 day of February, 2009.

\_\_\_\_\_  
 Alexander A. Maltsev, Jr.

Docket No: 864,818US1  
Serial Number: 12/301,669  
Filing Date: November 20, 2008  
Page 3 of 3

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IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

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Vadim S. Sergeyev

## ASSIGNMENT

WHEREAS, We, Siavash M. Alamouti, residing at 796 NE Brennan Lane, Hillsboro, OR 97124, and Alexander Alexandrovich Maltsev, residing at Verhne-Pecherskaya Str., 1-7, Nizhny Novgorod 603163, Russian Federation, and Nikolay Vasilevich Chistyakov, residing at 41 Apt., Ivlieva Str. 32/2, Nizhny Novgorod 603122, Russian Federation, and Alexander Alexandrovich Maltsev, Jr., residing at Verhne-Pecherskaya Str., 1-7, Nizhny Novgorod 603163, Russian Federation, and Vadim Sergeyevich Sergeyev, residing at Vaneyeva Str., 19/28, Nizhny, Novgorod 603105, Russian Federation, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States entitled MILLIMETER-WAVE REFLECTOR ANTENNA SYSTEM AND METHODS FOR COMMUNICATING USING MILLIMETER-WAVE SIGNALS;

WHEREAS, We hereby authorize and request our attorneys, as listed on the Combined Declaration and Power of Attorney, at Schwegman, Lundberg & Woessner, P.A., located at 121 South Eighth Street, Suite 1600, Minneapolis, MN 55402, to insert here in parentheses (Ser. No. 10/301,689; Filing Date: November 20, 2008) the filing date and application number of said application when known.

AND WHEREAS, Intel Corporation, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 2200 Mission College Blvd., Santa Clara, CA 95052 (hereinafter "Assignee"), is desirous of acquiring the entire right, priority right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;



Docket No. 884.H18US1  
Title: MILLIMETER-WAVE REFLECTOR ANTENNA SYSTEM AND METHODS FOR COMMUNICATING USING MILLIMETER-  
WAVE SIGNALS  
Page 2 of 4

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NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

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

Docket No. 884.H18US1  
Title: MILLIMETER-WAVE REFLECTOR ANTENNA SYSTEM AND METHODS FOR COMMUNICATING USING MILLIMETER-  
WAVE SIGNALS  
Page 3 of 4

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IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of  
\_\_\_\_\_, 2008.

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Siavash M. Alamouti

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of  
\_\_\_\_\_, 2008.

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Alexander Alexandrovich Maltsev

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of  
\_\_\_\_\_, 2008.

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Nikolay Vasilevich Chistyakov

Docket No: 864.H18US1  
Title: MILLIMETER-WAVE REFLECTOR ANTENNA SYSTEM AND METHODS FOR COMMUNICATING USING MILLIMETER-  
WAVE SIGNALS  
Page 4 of 4

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IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

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Alexander Alexandrovich Maltsev, Jr.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 29 day of October, 2008.

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Vadim Sergeevich Sergeev