## 503076814 11/25/2014

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ALEXANDER ALEXANDROVICH MALTSEV	12/17/2003
ALI S SADRI	12/18/2003
SERGEY E SERGEYEV	12/17/2003
ALEXANDER N BELONOZHKIN	12/17/2003
VADIM SERGEYEVICH SERGEYEV	12/17/2003

## **RECEIVING PARTY DATA**

Name:	INTEL CORPORATION
Street Address:	2200 MISSION COLLEGE BLVD.
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14511400

## **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	884.B54US4
NAME OF SUBMITTER:	NANCY CUNDALL
SIGNATURE:	/Nancy Cundall/
DATE SIGNED:	11/25/2014

**Total Attachments: 7** 

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PATENT 503076814 REEL: 034265 FRAME: 0176



# RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 884.B54US4 Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: Intel Corporation Alexander Alexandrovich Maltsey, Ali S Sadri, Sergey E Sergeyev, Alexander N Belonozhkin, Vadim Sergeyevich Street Address: 2200 Mission College Blvd. Sergeyev City: Santa Clara State: CA Zip: 95054 Additional name(s) of conveying party(ies) attached? Country: United States of America [ ]Yes [X]No Additional name(s) & address(es) attached? []Yes [X]No 3. Nature of conveyance: [X] Assignment [ ] Merger [ ] Security Agreement [ ] Change of Name [ ] Other Execution Date: <u>December 17, 2003, December 18, 2003, December 17, 2003, December 18, 20</u> December 17, 203 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. 14/511,400 Additional numbers attached? [ ]Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):\$ 0.00 Name: Gregory J. Gorrie [[Enclosed [Authorized to be charged to deposit account 19-Address: 0743 Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 8. Please charge any additional fees or credit any over Minneapolis, MN 55402--0938 payments to our Deposit Account No.: 19-0743 DO NOT USE THIS SPACE 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 Date Total number of pages including cover sheet: 7

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

#### ASSIGNMENT

WHEREAS, We, Alexander A. Maltsev, residing at Verhne-Pecherskaya Str., 1-7, Nizhny Novgorod, 603163, Russian Federation, and Ali S. Sadri, residing at 11835 Carmel Mountain Road, Suite 1304-306, San Diego, CA 92128, and Sergey E. Sergeyev, residing at Vaneeva Str., 19-28, Nizhny Novgorod, 603105, Russian Federation, and Alexander N. Belonozhkin, residing at N.V. Naberezhnaya Str., 1-16, Nizhny Novgorod, 603001, Russian Federation, and Vadim S Sergeyev, residing at Vaneeva Str., 19-28, Nizhny Novgorod, 603105, Russian Federation made certain new and useful inventions and improvements for which we executed an application for Letters Patent of the United States on even date herewith, which is entitled QUASI-PARALLEL MULTICHANNEL RECEIVERS FOR WIDEBAND ORTHOGONAL FREQUENCY DIVISION MULTIPLEXED COMMUNICATIONS AND ASSOCIATED METHODS;

AND WHEREAS, <u>Intel Corporation</u>, a corporation organized and existing under and by virtue of the laws of the State of <u>Delaware</u>, and having an office and place of business at <u>2200</u> <u>Mission College Blvd.</u>, <u>Santa Clara</u>, <u>CA 95052</u> (hereinafter "Assignee"), is desirous of acquiring the entire 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.

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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 17 day of December, 2003.
Ales
Alexander A. Malfsev
IN TESTIMONY WHEREOF, I have hereunto set my hand this day of, 2003.
Ali S. Sadri
IN TESTIMONY WHEREOF, I have hereunto set my hand this // day of
Sergey E. Sergeyev
IN TESTIMONIV NUMERICOR 11
IN TESTIMONY WHEREOF, I have hereunto set my hand this
Alexander N. Belonozhkin

### ASSIGNMENT

WHEREAS, We, Alexander A. Maltsev, residing at Verhne-Pecherskaya Str., 1-7, Nizhny Novgorod, 603163, Russian Federation, and Ali S. Sadri, residing at 11835 Carmel Mountain Road, Suite 1304-306, San Diego, CA 92128, and Sergey E. Sergeyev, residing at Vaneeva Str., 19-28, Nizhny Novgorod, 603105, Russian Federation, and Alexander N. Belonozhkin, residing at N.V. Naberezhnaya Str., 1-16, Nizhny Novgorod, 603001, Russian Federation, and Vadim S Sergeyev, residing at Vaneeva Str., 19-28, Nizhny Novgorod, 603105, Russian Federation made certain new and useful inventions and improvements for which we executed an application for Letters Patent of the United States on even date herewith, which is entitled QUASI-PARALLEL MULTICHANNEL RECEIVERS FOR WIDEBAND ORTHOGONAL FREQUENCY DIVISION MULTIPLEXED COMMUNICATIONS AND ASSOCIATED METHODS;

AND WHEREAS, <u>Intel Corporation</u>, a corporation organized and existing under and by virtue of the laws of the State of <u>Delaware</u>, and having an office and place of business at <u>2200 Mission College Blvd.</u>, <u>Santa Clara, CA 95052</u> (hereinafter "Assignee"), is desirous of acquiring the entire 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.

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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 to	this day of	, 2003
Alexander A. Malts	ev	
IN TESTIMONY WHEREOF, I have hereunto set my hand to Ali S. Sadri	this <u>18</u> day of <u>0ec</u>	, 2003.
IN TESTIMONY WHEREOF, I have hereunto set my hand the	his day of	, 2003.
Sergey E. Sergeyev		***************************************
IN TESTIMONY WHEREOF, I have hereunto set my hand the	nis day of	, 2003.
Alexander N Reland	ozhkin	

> PATENT REEL: 034265 FRAME: 0184

**RECORDED: 11/25/2014**