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PATENTS ONLY

Atty Ref/Docket No.: 884.D22US1

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Sigang Qiu, Minh-Anh Vuong, Atul Salvekar and  
Xiaoshu QianAdditional name(s) of conveying party(ies) attached?  
[ ] Yes [X] No

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ OtherExecution Date: December 8, 2004, December 9, 2004,  
December 9, 2004, December 9, 2004

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) &amp; address(es) attached? [ ] Yes [X] No

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. 10/954,650, filed September 29, 2004

Additional numbers attached? [ ] Yes [X] No

5. Name and address of party to whom correspondence  
concerning document should be mailed:Name: Ann M. McCrackinAddress:  
Schwegman, Lundberg, Woessner & Kluth, P.A.  
P.O. Box 2938  
Minneapolis, MN 554026. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00☐ Enclosed  
☒ Authorized to be charged to deposit account  
19-07438. Please charge any additional fees or credit any over  
payments to our Deposit account number: 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.Ann M. McCrackin/Reg. No. 42,858  
Name of Person SigningAnn M. McCrackin Jan. 17, 2005  
Signature DateTotal number of pages including cover sheet: 3

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

Mail Stop Assignment Recordation Services  
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700146499

PATENT  
REEL: 015605 FRAME: 0297

CH \$40.00 190743 10954650

Dec-09-04 14:58 INTEL Corporation

408 545 9898

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## ASSIGNMENT

WHEREAS, We, Sigang Qiu, residing at 20065 Northwind Square, Cupertino, CA 95014, and Minh-Anh Vuong, residing at 1055 N. Capitol Avenue, # 34, San Jose, CA 95133, and Atul Salvekar, residing at 768 Mahogany Lane, Sunnyvale, CA 94086, and Xiaoshu Qian, residing at 10395 Flora Vista Avenue, Cupertino, CA 95014, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on September 29, 2004, which application was assigned U.S. patent application serial number 10/954,650, and is entitled MULTICARRIER RECEIVERS AND METHODS FOR DETECTING CYCLIC PREFIXES HAVING UNKNOWN LENGTHS;

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, 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.

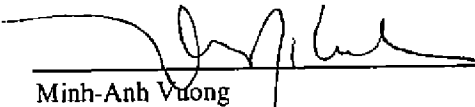
AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed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

IN TESTIMONY WHEREOF, I have hereunto set my hand this 8 day of 12/December, 2004.



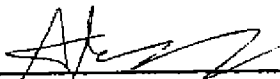
Sigang Qiu

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9<sup>th</sup> day of December, 2004.



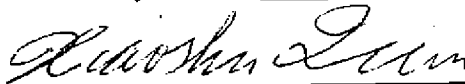
Minh-Anh Vuong

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9<sup>th</sup> day of December, 2004.



Atul Salvekar

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9<sup>th</sup> day of Dec, 2004.



Xiaoshu Qian