

12-30-2004

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102914277

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**

Roger A. Hurwitz  
Jeffrey S. McVeigh  
Thomas M. Cronin  
Rajesh Banginwar

Execution Date(s) December 10 & 13, 2004

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

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

Name: Intel Corporation

Internal Address: \_\_\_\_\_

Street Address: 2200 Mission College Blvd.

City: Santa Clara

State: California

Country: USA Zip: 95052

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Attorney Docket No. P20630

Additional numbers attached? ☐ Yes ☒ No

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

Name: Intel Corporation

Internal Address: M/S: SC4-202

Street Address: PO Box 5326

City: Santa Clara

State: California Zip: 95056-5326

Phone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

**6. Total number of applications and patents involved:**

1

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 50-0221 Intel Corp.

Authorized User Name Frankie Ho

**9. Signature:**

Frankie Ho

Signature

December 15, 2004

Date

Frankie Ho, Reg. No. 48,479

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

3

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

PATENT  
REEL: 016103 FRAME: 0664

17541 JLS PTO  
11/014580

12/29/2004 ECUPER 00000206 50021 11014580

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## ASSIGNMENT

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

**Roger A. Hurwitz, Jeffrey S. McVeigh, Thomas M. Cronin, Rajesh Banginwar**  
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 application for the United States patent entitled:

### **METHODS AND APPARATUS FOR OPERATING TRANSCEIVER SYSTEMS OF A WIRELESS PLATFORM**

  X   is attached hereto.  
       was filed on \_\_\_\_\_ as  
United States Application Number \_\_\_\_\_  
(if applicable)

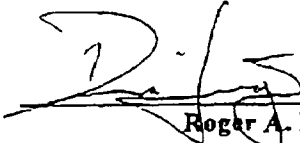
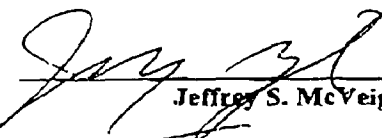


which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

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

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.

**Note to each inventor:**  
On the line below, please enter the date on which you signed the accompanying "Declaration and Power of Attorney":

 _____ Roger A. Hurwitz	<u>12/13/04</u> (Today's Date)	<u>12/13/04</u> (Date of Declaration)
 _____ Jeffrey S. McVeigh	<u>12/10/04</u> (Today's Date)	<u>12/10/04</u> (Date of Declaration)
 _____ Thomas M. Cronin	<u>12/10/04</u> (Today's Date)	<u>12/10/04</u> (Date of Declaration)
 _____ Rajesh Banginwar	<u>12/13/04</u> (Today's Date)	<u>12/13/04</u> (Date of Declaration)