

08-19-2008



103520352

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

80-8-1-8

**1. Name of conveying party(ies):**  
 Guy C. Wicker  
 Carl Schell  
 Sergey A. Kostylev  
 Stephen J. Hudgens

Additional names(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies):**  
 Name: Intel Corporation  
 Internal Address: \_\_\_\_\_  
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 Street Address: 2200 Mission College Blvd.  
 \_\_\_\_\_  
 City: Santa Clara  
 State: CA  
 Country: USA ZIP: 95052  
 Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**  
 Execution Date(s): February 16, 2007

Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

**4. Application or patent numbers(s):**  
 A. Patent Application No.(s)  
11/709,520

Additional numbers attached?  Yes  No

This document is being filed together with a new application.  
 B. Patent No.(s)

OPR/FINANCE

**5. Name and address to whom correspondence concerning document should be mailed:**  
 Name: Timothy N. Trop  
 Internal Address: Trop, Pruner & Hu, PC  
 \_\_\_\_\_  
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**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 XXXXXXXXXX 11709520  
 Last 4 Numbers  
 Expiration Date 08/13/2008  
 b. Deposit Account Number 20-1504  
 Authorized User Name Timothy N. Trop

**9. Signature:** \_\_\_\_\_  
 Signature:   
 Date: August 14, 2008  
 Name of Person Signing: Timothy N. Trop

Total number of pages including cover sheet, attachments, and document: **3**

## **ASSIGNMENT**

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

**GUY C. WICKER  
CARL SCHELL  
SERGEY A. KOSTYLEV  
STEPHEN J. HUDGENS**

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:

### **PHASE CHANGE MEMORIES WITH IMPROVED PROGRAMMING CHARACTERISTICS**

**(I hereby authorize and request my attorney, associated with Customer Number 47795, to insert on the designated lines below, the filing date and application number of said application when known.)**

which was filed on February 22, 2007 as

United States Application Number 11/709,520 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 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

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.

 2/16/07  
GUY C. WICKER (Today's Date)

 2-16-2007  
CARL SCHELL (Today's Date)

 2/16/07  
SERGEY A. KOSTYLEV (Today's Date)

 2/16/07  
STEPHEN J. HUDGENS (Today's Date)