

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Yudong Kim</td> <td>07/13/2007</td> </tr> <tr> <td>Charles C. Kuo</td> <td>07/16/2007</td> </tr> <tr> <td>Gianpaolo Spadini</td> <td>07/16/2007</td> </tr> </tbody> </table>		Name	Execution Date	Yudong Kim	07/13/2007	Charles C. Kuo	07/16/2007	Gianpaolo Spadini	07/16/2007
Name	Execution Date								
Yudong Kim	07/13/2007								
Charles C. Kuo	07/16/2007								
Gianpaolo Spadini	07/16/2007								
RECEIVING PARTY DATA									
Name:	Intel Corporation								
Street Address:	2200 Mission College Boulevard								
City:	Santa Clara								
State/Country:	CALIFORNIA								
Postal Code:	95052								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11881080</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11881080				
Property Type	Number								
Application Number:	11881080								
CORRESPONDENCE DATA									
Fax Number:	(713)468-8883								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	(713) 468-8880								
Email:	tphto@tphm.com								
Correspondent Name:	Timothy N. Trop								
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Address Line 2:	Suite 750								
Address Line 4:	Houston, TEXAS 77057-2631								
ATTORNEY DOCKET NUMBER:	ITO.0139US								
NAME OF SUBMITTER:	Timothy N. Trop								

Total Attachments: 2
 source=0139_Executed_Assignment#page1.tif

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PATENT
REEL: 022342 FRAME: 0207

CH \$40.00 11881080

ASSIGNMENT

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

**YUDONG KIM
CHARLES C. KUO
GIANPAOLO SPADINI**

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:

**COPPER COMPATIBLE CHALCOGENIDE PHASE CHANGE
MEMORY WITH ADJUSTABLE THRESHOLD VOLTAGE**

(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 July 25, 2007 as

United States Application Number 11/881,080 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 successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and

