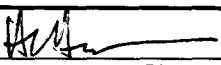


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| 1. Name of conveying party(ies) Tak M. Mak, Ming Zhang, Subhasish Mitra, and Paul E. Shipley Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | 2. Name and address of receiving party(ies) Name: Intel Corporation Internal Address: _____ Street Address: 2200 Mission College Blvd. City: Santa Clara State: CA Country: USA Zip: 95052 Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| 3. Nature of conveyance/Execution Date(s): Execution Date(s) 5/4/05; 5/6/05; 5/6/05; & 5/4/05 <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____ | | | | | |
| 4. Application or patent number(s): A. Patent Application No.(s) 05/17/2005 HDEMESS1 00000023 11128692 01 FC:8021 40.00 OP Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | <input checked="" type="checkbox"/> This document is being filed together with a new application. B. Patent No.(s) | | |
| 5. Name and address to whom correspondence concerning document should be mailed: Name: SCHWABE, WILLIAMSON & WYATT, P.C. Internal Address: _____ Street Address: Suites 1600-1900 1211 SW Fifth Avenue City: Portland State: OR Zip: 97204 Phone Number: 503-222-9981 Fax Number: 503-796-2900 Email Address: _____ | | | 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 <input type="checkbox"/> Authorized to be charged by credit card <input type="checkbox"/> Authorized to be charged to deposit account <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) | | |
| 9. Signature:  Signature Aloysius T.C. AuYeung, Reg. No. 35432 Name of Person Signing | | | 8. Payment Information a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number _____ Authorized User Name _____ | | |
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PATENT
 REEL: 016569 FRAME: 0191

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, Tak M. Mak, Ming Zhang, Subhasish Mitra, and Paul E. Shipley, hereby sell, assign, and transfer to Intel Corporation a corporation of Delaware, having a principal place of business at 2200 Mission College Blvd., Santa Clara, California 95052, ("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 improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and is entitled

SYSTEM PULSE LATCH AND SHADOW PULSE LATCH COUPLED TO
OUTPUT JOINING CIRCUIT


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

agree that said Assignee may apply for and receive a patent or patents for said 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 divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection

patent protection for said improvements and for vesting title to said 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.

Each Inventor: Please Sign and Date Below:

| | |
|--------------------------------------|--|
| <u>5/4/05</u> , 20 <u>05</u> Date |  Name: Tak M. Mak |
| _____, 20____ Date | _____ Name: Ming Zhang |
| _____, 20____ Date | _____ Name: Subhasish Mitra |
| _____, 20____ Date | _____ Name: Paul E. Shipley |

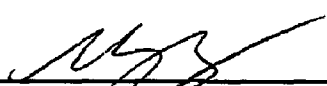

Each Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:

| |
|-----------------------------------|
| <u>5/4</u> , 20 <u>05</u> Date |
| _____, 20____ Date |
| _____, 20____ Date |
| _____, 20____ Date |

patent protection for said improvements and for vesting title to said 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.

Each Inventor: Please Sign and Date Below:

| | |
|------------------------------------|--|
| _____, 20____ Date | _____ Name: Tak M. Mak |
| 05/06 ^{mz} , 2005 Date |  Name: Ming Zhang |
| May 6, 2005 Date |  Name: Subhasish Mitra |
| _____, 20____ Date | _____ Name: Paul E. Shipley |

Each Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:

| |
|-----------------------|
| _____, 20____ Date |
| 05/06, 2005 Date |
| May 6, 2005 Date |
| _____, 20____ Date |

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Each Inventor: Please Sign and Date Below:

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|-------------------------------------|---|
| _____, 20____ Date | _____ Name: Tak M. Mak |
| _____, 20____ Date | _____ Name: Ming Zhang |
| _____, 20____ Date | _____ Name: Subhasish Mitra |
| <i>May 4</i> , 20 <i>05</i> Date | <i>Paul E. Shipley</i> Name: Paul E. Shipley |

Each Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:

| |
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| _____, 20____ Date |
| _____, 20____ Date |
| _____, 20____ Date |
| <i>May 4</i> , 20 <i>05</i> Date |