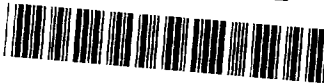


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Name: Intel Corporation  
Internal Address:  
Street Address: 2200 Mission College Boulevard  
City: Santa Clara State: CA ZIP: 95052-8119  
Additional name(s) & address(es) attached?  No  Yes

3. Nature of Conveyance:  
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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)  
09/911,752  
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5. Name and address of party to whom correspondence concerning document should be mailed:  
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City: Los Angeles State: CA ZIP: 90025

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October 30, 2001

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PATENT REEL: 012533 FRAME: 0698

## **ASSIGNMENT**

(For Execution After Filing Patent Application)

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

**James A. McCall; Hing "Thomas" Y. To**

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 95052-8119, ("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 that was filed **July 23, 2001**, and assigned Application No. **09/911,752** and is entitled:

### **SYSTEMS HAVING MODULES WITH BUFFER CHIPS**

and in and to said application and all 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 application;

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 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 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 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.

**Each Inventor: Please Sign and Date Below:**

7/31/2001 \_\_\_\_\_  
Date: \_\_\_\_\_ Name: **James A. McCall**

10/3/2001 \_\_\_\_\_  
Date: \_\_\_\_\_ Name: **Hing "Thomas" Y. To**

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Date: \_\_\_\_\_ Name: \_\_\_\_\_

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