

01-23-2001

Substitute Form PTO-1595
Attorney Docket No.: 10559/348001/P9836

RE



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Commissioner for Patents: Please record the attached original document(s) or copy(ies).

<p>1. Name of conveying party(ies):</p> <p>James A. McCall Randy M. Bonella John B. Halbert Jim M. Dodd Chung Lam</p> <p>Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>INTEL CORPORATION 2200 Mission College Boulevard Santa Clara, CA 95052</p> <p>Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:</p> <p>Execution Date: 12/20/00; 12/4/00; 12/20/00; 12/4/00; 12/19/00, respectively</p>	<p>Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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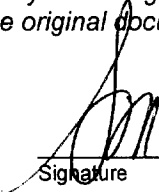
<p>4. Application number(s) or patent number(s):</p> <p>If this document is being filed with a new application, the execution date of the application is:</p> <p>A. Patent Application No(s): 09/666,489</p> <p>B. Patent No(s):</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
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<p>5. Name/address of party to whom correspondence concerning document should be mailed:</p> <p>SCOTT C. HARRIS Fish & Richardson P.C. PTO Customer No. 20985 4350 La Jolla Village Drive, Suite 500 San Diego, CA 92122</p>	<p>6. Total number of applications/patents involved: 1</p> <p>7. Total fee (37 CFR §3.41): \$40</p> <p><input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account.</p> <p>8. Deposit Account No.: 06-1050</p> <p>Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.</p>
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DO NOT USE THIS SPACE

9. Statement and Signature: *To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Scott C. Harris
Reg. No. 32,030
Name of Person Signing


Signature

1/10/01
Date

01/19/2001 DNGUYEN 00000102 09666489

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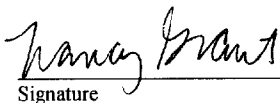
Total number of pages including coversheet, attachments and document: 4

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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner of Patents, Washington, D.C. 20231.

January 2, 2001
Date of Deposit


Signature

Nancy Grant
Typed Name of Person Signing Certificate

PATENT
REEL: 011438 FRAME: 0504

ASSIGNMENT

For valuable consideration, we, JAMES A. MCCALL of Beaverton, Oregon, RANDY M. BONELLA of Portland, Oregon, JOHN B. HALBERT of Beaverton, Oregon, JIM M. DODD of Shingle Springs, California, and CHUNG LAM of _____, hereby assign to: INTEL CORPORATION, a DELAWARE corporation having a place of business at: 2200 Mission College Boulevard, Santa Clara, CA 95052; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled BUFFERING DATA TRANSFER BETWEEN A CHIPSET AND MEMORY MODULES, filed September 18, 2000, and assigned U.S. Serial Number 09/666,489, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.


Date: 12/16/00

Date: December 4, 2000

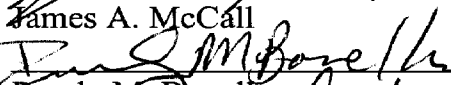
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Date: _____

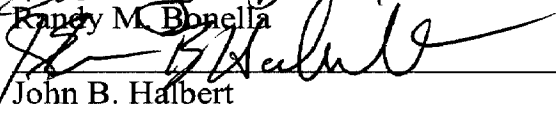
Date: _____



James A. McCall



Randy M. Bonella



John B. Halbert

Jim M. Dodd

Chung Lam

Attorney Docket No. 10559/348001/P9836

ASSIGNMENT

For valuable consideration, we, JAMES A. MCCALL of Beaverton, Oregon, RANDY M. BONELLA of Portland, Oregon, JOHN B. HALBERT of Beaverton, Oregon, JIM M. DODD of Shingle Springs, California, and CHUNG LAM of _____, hereby assign to: INTEL CORPORATION, a DELAWARE corporation having a place of business at: 2200 Mission College Boulevard, Santa Clara, CA 95052; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled BUFFERING DATA TRANSFER BETWEEN A CHIPSET AND MEMORY MODULES, filed September 18, 2000, and assigned U.S. Serial Number 09/666,489, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: _____

James A. McCall

Date: _____

Randy M. Bonella

Date: _____

John B. Halbert

Date: 12/4/00

Jim M. Dodd

Date: _____

Chung Lam

ASSIGNMENT

For valuable consideration, we, JAMES A. MCCALL of Beaverton, Oregon, RANDY M. BONELLA of Portland, Oregon, JOHN B. HALBERT of Beaverton, Oregon, JIM M. DODD of Shingle Springs, California, and CHUNG LAM of REDWOOD CITY, CA, hereby assign to: INTEL CORPORATION, a DELAWARE corporation having a place of business at: 2200 Mission College Boulevard, Santa Clara, CA 95052; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled BUFFERING DATA TRANSFER BETWEEN A CHIPSET AND MEMORY MODULES, filed September 18, 2000, and assigned U.S. Serial Number 09/666,489, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: _____

James A. McCall

Date: _____

Randy M. Bonella

Date: _____

John B. Halbert

Date: _____

Jim M. Dodd

Date: 12/19/00


Chung Lam