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Form PTO-1595

REC

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OMB No. 0651-0027 (exp. 5/31/2002)

## PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

## 1. Name of conveying party(ies):

Highland Mary Mountain (06/23/2004), Guangyu Zhu  
(06/28/2004), and Hai Zhao (06/28/2004)Additional name(s) of conveying party(ies)  
attached?☐ Yes ☒ No

## 3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: see Box 1, conveying parties

## 2. Name and address of receiving party(ies)

Name: Intel Corporation

Internal Address:

Street Address:

2200 Mission College Boulevard

City: Santa Clara

State: CA

Zip: 95052

Additional name(s) &  
address(es) attached:☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

101880081

If this document is being filed together with a new application, the execution date of the new application is: June 30, 2004

## A. Patent Application No.(s):

This application

## B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence  
concerning document should be mailed:Name: James R. Burdett  
VENABLE LLP

Internal Address: Atty. Dkt.: 42339-200558

Street Address:  
P.O. Box 34385City:  
Washington

State: DC Zip: 20043-9998

6. Total number of applications and  
patents involved:

1

## 7. Total fee (37 CFR 3.41)

\$ 40.00

☒ Enclosed☐ Authorized to be charged to deposit account☐ Authorized to be charged to credit card  
(Form 2038 enclosed)

## 8. Deposit account number:

22-0261

(Attach duplicate copy of this page if paying by deposit account)

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## 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.*Daniel G. Vivarelli, Jr. - 51,137  
Name of Person Signing

Signature

June 30, 2004  
Date

Total number of pages including cover sheet, attachments, and documents: 7

DC2/560202

15535 U.S. PTO  
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03 FC:8021

40.00 OP

PATENT  
REEL: 015534 FRAME: 0384

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made by Highland Mary Mountain; Guangyu Zhu; and Hai Zhao (hereinafter referred to as Assignors), residing at 561 East Vermont Drive, Gilbert, Arizona 85296; 601, Kerry Centre, GuangHua Road, ChaoYang District, Beijing, PEOPLE'S REPUBLIC OF CHINA; and 601, Kerry Centre, GuangHua Road, ChaoYang District, Beijing, PEOPLE'S REPUBLIC OF CHINA, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in RELIEVING DATA MARSHALLING OVERHEAD, set forth in a Patent application for Letters Patent of the United States, filed herewith; and

**WHEREAS**, Intel Corporation, a Corporation organized under and pursuant to the laws of Delaware having its principal place of business at 2200 Mission College Boulevard, Santa Clara, California 95052 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:


VENABLE LLP

All practitioners at Customer Number 26694

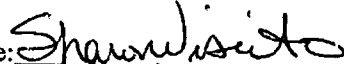
AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

EXECUTED this 23 day of JUNE, 2004.

1<sup>st</sup> ASSIGNOR: **Highland Mary MOUNTAIN**

Signature: 

WITNESS:

Signature: 

Name: Sharon Viscito

Address: 1318 S. Cedar St.  
Tempe, AZ 85281

Signature: 

Name: DIANE BARKLEY

Address: 7686 S. MYRTLE AVE  
TEMPE, AZ 85284

EXECUTED this 23 day of JUNE, 2004.

2<sup>nd</sup> ASSIGNOR: **Guangyu ZHU**

Signature: \_\_\_\_\_

WITNESS:

Signature: \_\_\_\_\_

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

Address: \_\_\_\_\_

Signature: \_\_\_\_\_

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

Address: \_\_\_\_\_

EXECUTED this \_\_\_\_\_ day of \_\_\_\_\_, 2004.

3<sup>rd</sup> ASSIGNOR: **Hai ZHAO**

Signature: \_\_\_\_\_

WITNESS:

Signature: \_\_\_\_\_

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

Address: \_\_\_\_\_

Signature: \_\_\_\_\_

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

Address: \_\_\_\_\_

DC2/558210

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made by Highland Mary Mountain; Guangyu Zhu; and Hai Zhao (hereinafter referred to as Assignors), residing at 561 East Vermont Drive, Gilbert, Arizona 85296; 601, Kerry Centre, GuangHua Road, ChaoYang District, Beijing, PEOPLE'S REPUBLIC OF CHINA; and 601, Kerry Centre, GuangHua Road, ChaoYang District, Beijing, PEOPLE'S REPUBLIC OF CHINA, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in **RELIEVING DATA MARSHALLING OVERHEAD**, set forth in a Patent application for Letters Patent of the United States, filed herewith; and

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**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

VENABLE LLP

All practitioners at Customer Number 26694

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

EXECUTED this \_\_\_\_\_ day of \_\_\_\_\_, 2004.

1<sup>st</sup> ASSIGNOR: Highland Mary MOUNTAIN

Signature: \_\_\_\_\_

WITNESS:

Signature: \_\_\_\_\_

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

Address: \_\_\_\_\_

Signature: \_\_\_\_\_

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

Address: \_\_\_\_\_

EXECUTED this 28th day of June, 2004.

2<sup>nd</sup> ASSIGNOR: Guangyu ZHU

Signature: 高治国 Guangyu Zhu

WITNESS:

Signature: 高治国

Name: Zhi Guo Gao

Address: 1, Guanghua Road, Chaoyang district, Beijing, China

Signature: 陶钟

Name: Tao Zhong

Address: 1, Guanghua Road, Chaoyang district, Beijing, China

EXECUTED this 28th day of June, 2004.

3<sup>rd</sup> ASSIGNOR: Hai ZHAO

Signature: 赵海 Hai Zhao

WITNESS:

Signature: 高治国

Name: Zhi Guo Gao

Address: 1, Guanghua Road, Chaoyang district, Beijing, China

Signature: 陶钟

Name: Tao Zhong

Address: 1, Guanghua Road, Chaoyang district, Beijing, China

DC2/553210