

03-28-2006

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112975 U.S. PTO  
11/384939



To the Assistant Commissioner for Patents

103205699

original documents or copy thereof.

03-28-06

<b>1. Name of conveying party(ies):</b> (1) Binny Sher Gill (2) Dharmendra Shantilal Modha Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Execution Date:</b> March 7, 2006 March 7, 2006
<b>2. Name and address of receiving party(ies):</b> International Business Machines Corporation New Orchard Road Armonk, New York 10504	<b>3. Nature of conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____
<b>4. Application number(s) or patent number(s):</b> If this document is being filed together with a new application, the execution date of the application is (1) March 7, 2006      (2) March 7, 2006 A. Patent Application No.(s) _____      B. Patent No.(s) _____	

**5. Name and address of party to whom correspondence concerning document should be mailed:**

Anthony V.S. England  
PO Box 5307  
Austin, TX 78763-5307  
CUSTOMER NUMBER 58,149

**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

**8. Deposit account number:** 09-0441

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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.

Anthony V.S. England  
Name of Person Signing

Anthony VS England  
Signature

3-19-2006  
Date

Total number of pages including cover sheet: 3

CERTIFICATE OF EXPRESS MAIL EQ 105339822 US

ARC920050077US1

ASSIGNMENT

Whereas, we,

(1) ~~Benny Sher Gill~~ *Benny Gill*  
County of ~~Santa Clara~~  
WORCESTER

of (City) ~~San Jose~~ AUBURN  
State of: ~~CA~~ MA

and

(2) Dharmendra Shantilal Modha  
County of Santa Clara

of (City) San Jose  
State of: CA

have invented certain improvements in

Wire Ordering for Writes-Combining Spatial and Temporal Locality in Write Caches

and executed, respectively, a United States patent application therefor on (Dates Inventors Signed Declaration)

(1) 07 MARCH (2006), (2) \_\_\_\_\_ (2006).

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

(1) Signed at AUBURN on 07 MARCH 2006.  
(City) (Date)

*Benny Gill*  
Benny Sher Gill

(2) Signed at \_\_\_\_\_ on \_\_\_\_\_ 2006.  
(City) (Date)

Dharmendra Shantilal Modha

CERTIFICATE OF EXPRESS MAIL EQ 105339822 US

ARC920050077US1

**ASSIGNMENT**

Whereas, we,

(1) Binny Sher Gill of (City) San Jose  
County of Santa Clara State of: CA

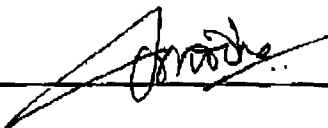
and

(2) Dharmendra Shantilal Modha of (City) San Jose  
County of Santa Clara State of: CA

have invented certain improvements in

**Wise Ordering for Writes-Combining Spatial and Temporal Locality in Write Caches**

and executed, respectively, a United States patent application therefor on (Dates Inventors Signed Declaration)

(1) \_\_\_\_\_ (2006), (2)  3/7/2006 (2006).


Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

(1) Signed at \_\_\_\_\_ on \_\_\_\_\_, 2006.  
(City) (Date)

\_\_\_\_\_  
Binny Sher Gill

(2) Signed at San Jose, CA on 3/7/2006, 2006.  
(City) (Date)

  
Dharmendra Shantilal Modha