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02/17/04



COVER SHEET

Y

To the Honorable Commissioner

102677861

and the attached original documents or copy thereof.

1. Name of conveying party(ies):

Xiaowei SHEN, Jaehyuk HUH,  
Balaram SINHAROY

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

Name: International Business Machines Corporation  
Armonk, New York 10504

Additional name(s) of conveying party(ies) attached?  Yes  No

Additional name(s) & address(es) attached:

Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: February 12, 2004

4. Application number(s) or patent number(s): 10/779999

If this document is being filed together with a new application, the execution date of the application is: February 12, 2004

A. Patent Application No. (s)

B. Patent No. (s)

Additional numbers attached?  Yes  No

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

Name: Frank Chau, Esq.

Street Address: F. CHAU & ASSOCIATES, LLC

1900 Hempstead Turnpike, Suite 501

City: East Meadow State: NY Zip: 11554

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. §3.41): \$40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

50-0510/IBM (Yorktown Heights)

(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.

Koon Hon Wong

Registration No. 48,459

Name of Person Signing

Signature

Date

2-17-04

Total number of pages including cover sheet, attachments and documents: 3

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22141 U.S. PTO  
10/779999



021704

# Assignment

Whereas, we

Inventor  
and City

(1) **XIAOWEI SHEN**  
County of **DUTCHESS**

of **HOPEWELL JUNCTION**  
and State of **NEW YORK**

(2) **JAEHYUK HUH**  
County of **TRAVIS**

of **AUSTIN**  
and State of **TEXAS**

(3) **BALARAM SINHAROY**  
County of **DUTCHESS**

of **POUGHKEEPSIE**  
and State of **NEW YORK**

have invented certain improvements in

TITLE

**CACHE RESIDENCE PREDICTION**

and executed, respectively, a United States patent application therefor on

DATES THAT	(1)	2004	and (2)	2004	and (3)	2004
INVENTORS	(4)	2004	and (5)	2004	and (6)	2004.
SIGNED THE DECLARATION						

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 inventions 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.

CITY (1) at Hopewell Jct, NY Signed and sealed  
DATE on Feb 12, 2004, Xiaowei Shen SIGNATURE  
**(XIAOWEI SHEN)** INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY (2) at \_\_\_\_\_ Signed and sealed  
DATE on 2004, (JAEHYUK HUH) SIGNATURE  
**(JAEHYUK HUH)** INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY (3) at POUGHKEEPSIE, NY Signed and sealed  
DATE on FEB 12, 2004, Balaram Sinharoy SIGNATURE  
**(BALARAM SINHAROY)** INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

# Assignment

Whereas, we

Inventor  
and City

(1) XIAOWEI SHEN  
County of DUTCHESS

of HOPEWELL JUNCTION  
and State of NEW YORK

(2) JAEHYUK HUH  
County of TRAVIS

of AUSTIN  
and State of TEXAS

(3) BALARAM SINHARROY  
County of DUTCHESS

of POUGHKEEPSIE  
and State of NEW YORK

have invented certain improvements in

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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 inventions 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.

Signed and sealed  
CITY (1) at Hopewell Junction, NY Xiaowei Shen SIGNATURE  
DATE on Feb. 12, 2004, (XIAOWEI SHEN) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
CITY (2) at JaeHyuk Huh SIGNATURE  
DATE on 2/12/2004, (JAEHYUK HUH) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
CITY (3) at \_\_\_\_\_ SIGNATURE  
DATE on 2004, (BALARAM SINHARROY) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME