

In place of Form PTO-1595

Docket No. AUS920040665US1

**RECORDATION FORM COVER SHEET
PATENTS**

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): (1) Toru Asano (2) Sang Hoo Dhong (3) Osamu Takahashi Additional name(s) of conveying party(ies) attached? Yes <input checked="" type="checkbox"/> No	Execution Date: <u>February 17, 2005</u> <u>October 29, 2004</u> <u>November 1, 2004</u>
2. Name and address of receiving party(ies): International Business Machines Corporation New Orchard Road Armonk, New York 10504	3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____

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

(1) _____ (2) _____ (3) _____

A. Patent Application No.(s) 10/982,109 B. File Date November 5, 2004

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

Diana R. Gerhardt
 IBM Corporation
 Intellectual Property Law
 11400 Burnet Road
 Austin, TX 78758
 (512) 823-9667

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:

09/0447

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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.

Kathryn L Seeman
 Name of Person Signing

Kathryn L Seeman
 Signature

May 3, 2005
 Date

Total number of pages including cover sheet: 5

IBM DOCKET NO. AUS920040665US1

ASSIGNMENT

Whereas, we,

(1) Toru Asano *415-10 Kitanosho cho, Omihachiman-shi, Shiga, Japan*
County of Travis ~~of 11133 Sandstone Trail, Austin, Texas 78759~~ *zip 523-0506*
~~and State of Texas~~

and

(2) Sang Hoo Dong *of 10617 Coreopsis Drive, Austin, Texas 78733*
County of Travis *and State of Texas*

and

(3) Osamu Takahashi *of 2506 Field Lark Drive, Round Rock, Texas 78681-2725*
County of Williamson *and State of Texas*

have invented certain improvement in

APPARATUS AND METHOD OF WORD LINE DECODING FOR DEEP PIPELINED
MEMORY

and executed a United States patent application therefore on (1) 17th / Feb, 2004;
(2) _____, 2004; and (3) _____, 2004.

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 therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, 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 I 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 I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

IBM DOCKET NO. AUS920040665US1

(1) Signed at Yasu, Japan on 17th / Feb, 2004.

Toru Asano
Toru Asano

(2) Signed at _____ on _____, 2004.

Sang Hoo Dhong

(3) Signed at _____ on _____, 2004.

Osamu Takahashi

IBM DOCKET NO. AUS920040665US1

ASSIGNMENT

Whereas, we,

(1) Toru Asano of 11133 Sandstone Trail, Austin, Texas 78750
County of Travis and State of Texas

and

(2) Sang Hoo Dhong of 10617 Coreopsis Drive, Austin, Texas 78733
County of Travis and State of Texas

and

(3) Osamu Takahashi of 2506 Field Lark Drive, Round Rock, Texas 78681-2725
County of Williamson and State of Texas

have invented certain improvement in

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MEMORY**

and executed a United States patent application therefore on (1) ~~Aug 4~~, 2004;
(2) Oct 29, 2004; and (3) Nov 1, 2004.

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 therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, 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 I 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 I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

IBM DOCKET NO. AUS920040665US1

(1) Signed at _____ on _____, 2004.

Toru Asano

(2) Signed at Austin SHD ~~Oct 2nd~~ on Oct 29, 2004.

Sang Hoo Dhong
Sang Hoo Dhong

(3) Signed at Austin on Nov 1, 2004.

Osamu Takahashi
Osamu Takahashi