PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------|----------------|
| Pradip Bose | 04/06/2007 |
| Alper Buyuktosunoglu | 04/06/2007 |
| Chen-Yong Cher | 04/06/2007 |
| Michael Karl Gschwind | 04/06/2007 |
| Ravi Nair | 04/06/2007 |
| Robert Alan Philhower | 04/09/2007 |
| Wolfram Sauer | 04/10/2007 |
| Raymond Cheung Yeung | 04/09/2007 |

RECEIVING PARTY DATA

| Name: | International Business Machines Corporation | |
|-----------------|---|--|
| Street Address: | New Orchard Road | |
| City: | Armonk | |
| State/Country: | NEW YORK | |
| Postal Code: | 10504 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 11733589 |

CORRESPONDENCE DATA

Fax Number: (512)823-1036

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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PATENT

REEL: 019143 FRAME: 0181

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| ATTORNEY DOCKET NUMBER: | AUS920060874US1 |
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| NAME OF SUBMITTER: | Diana R Gerhardt |
| Total Attachments: 9 source=AUS920060874US1Assignment#pa | ige2.tif ige3.tif ige4.tif ige5.tif ige6.tif ige6.tif ige7.tif ige8.tif |

PATENT REEL: 019143 FRAME: 0182

ASSIGNMENT

Whereas, we,

(1) **Pradip Bose** of Yorktown Heights
County of WESTCHESTER and State of New York

(2) Alper Buyuktosunoglu of White Plains
County of WESTCHESTER and State of New York

(3) Chen-Yong Cher of Port Chester County of WESTCHESTER and State of New York

(4) Michael Karl Gschwind of Chappaqua
County of WESTCHESTER and State of New York

(5) Ravi Nair of Briarcliff Manor
County of WESTCHESTER and State of New York

(6) Robert Alan Philhower of Valley Cottage
County of ROCKLAND and State of New York

(7) Wolfram Sauer of Austin
County of TRAVIS and State of Texas

(8) Raymond Cheung Yeung of Round Rock
County of WILLIAMSON and State of Texas

have invented certain improvements in

METHOD AND APPARATUS FOR CONSERVING POWER BY THROTTLING INSTRUCTION FETCHING WHEN A PROCESSOR ENCOUNTERS LOW CONFIDENCE BRANCHES IN AN INFORMATION HANDLING SYSTEM

| and executed, respectively, a United State | es patent application therefor | re on |
|--|---------------------------------|---|
| (Dates Inventors Signed Declaration) (| 1) <u>April 6,</u> , (2007); (2 | 2) $\frac{1}{1000}$ $\frac{1}{1000}$ $\frac{1}{1000}$ $\frac{1}{10000}$ $\frac{1}{10000}$ $\frac{1}{10000}$ $\frac{1}{10000}$ $\frac{1}{100000}$ $\frac{1}{10000000}$ |
| (3) April, 6, (2007), (4) April | 6, (2007), (5) April | <i>b</i> , (2007), |
| (6) April 9 , (2007), (7) | | |

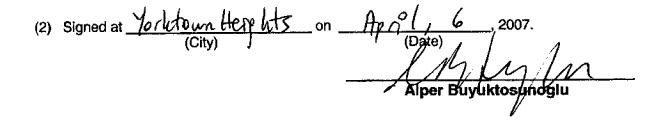
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents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

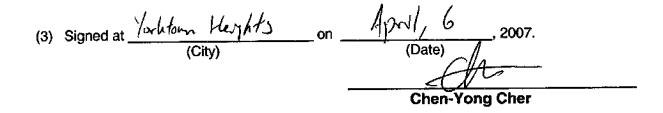
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United

Page 1 of 3

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) Signe | ed at Yorktown Height | on | April 6, , , 2007. |
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| (-,9 | (City) | | (Date) |
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| | | | Pradip Bose |





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| | | | Michael Karl Gsonwind | _ |

| (5) | Signed at Morklown Hig (City) | on Ag | (Date) (Date) (Ani Nair | <u></u> |
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| (6) | Signed at Yorkhown Heliahts, N. (City) | y on Apr | Date) Robert Alan Philhower | |
| (7) | Signed at(City) | on | , 2007. (Date) Wolfram Sauer | |
| (8) | Signed at(City) | on | , 2007. (Date) Raymond Cheung Yeu | ng |

2007-04-10 12:43 USPOKIB >> 512-823-1036 P 2/10

IBM Docket No. AUS920060874US1

ASSIGNMENT

Whereas, we,

(1) Pradip Bose of Yorktown Heights and State of New York County of WESTCHESTER (2) Alper Buyuktosunoglu of White Plains and State of New York County of WESTCHESTER of Port Chester (3) Chen-Yong Cher and State of New York County of WESTCHESTER of Chappaqua (4) Michael Karl Gschwind and State of New York County of WESTCHESTER (5) Ravi Nair of Briarcliff Manor and State of New York County of WESTCHESTER (6) Robert Alan Philhower of Valley Cottage and State of New York County of ROCKLAND (7) Wolfram Sauer of Austin County of TRAVIS and State of Texas of Round Rock (8) Raymond Cheung Yeung County of WILLIAMSON and State of Texas

have invented certain improvements in

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| and executed, respectively, a United States patent application therefore on | | | | | |
|---|---------------------------|---------------|-----------|--|--|
| (Dates Inventors Signed Declaration) (1), (2007); (2), (2007) | | | | | |
| (3) | , (2007), (4) | , (2007), (5) | , (2007), | | |
| (6) | , (2007), (7) <u>4-10</u> | , (2007), (8) | , (2007), | | |

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, 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 filling of said United Page 1 of 3

PATENT REEL: 019143 FRAME: 0186

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 | | _, 2007. | |
|-----|-----------|--------|----------|------------|--------------|---------|
| *** | | (City) | | (Date) | - | |
| | | | | Pradip Bos | i€ | |
| (2) | Signed at | (City) | on | (Date) | _, 2007. | |
| | | | - | Alper Buyu | ktosunoglu | |
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| (3) | Signed at | (City) | on | (Date) | _, 2007. | |
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| (4) | Signed at | (City) | on | (Date) | _, 2007. | |
| | | | | Michael K | arl Gschwind | |

| (5) | Signed at | on | , 2007 | , |
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| | | | Ravi Nair | |
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| | | | | Robert Al | an Philhower | |

| (7) Signed at Pourhkeepsie | on 10 Apr , 2007. |
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| | W. Sauce |
| | Wolfram Sauer |

| (8) | Signed at _ | | on | | _, 2007. |
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Raymond Cheung Yeung

ASSIGNMENT

Whereas, we,

| (1) | Pradip Bose County of WESTCHESTER | of Yorktown Heights and State of New York |
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| (2) | Alper Buyuktosunoglu County of WESTCHESTER | of White Plains and State of New York |
| (3) | Chen-Yong Cher County of WESTCHESTER | of Port Chester and State of New York |
| (4) | Michael Karl Gschwind County of WESTCHESTER | of Chappaqua and State of New York |
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| and executed, respectively, a United States patent application therefore on | | | | | | | |
|---|----------------------------------|--------------------------|---------------------|--|--|--|--|
| (Dates Inv | entors Signed Declaration) (1) _ | , (2007); (2) | , (2007); (2) | | | | |
| (3) | , (2007), (4) | , (2007), (5) | , (2007), | | | | |
| (6) | , (2007), (7) | , (2007), (8) <u>Apr</u> | <u>9</u> _, (2007), | | | | |

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Page 1 of 3 PATENT REEL: 019143 FRAME: 0189

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 | | , 2007. |
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| | | | | Pradip Bos | e |
| (2) | Signed at | (City) | _ on | (Date) | , 2007. |
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| (3) | Signed at | (City) | on | (Date) | _, 2007. |
| | | | | Chen-Yong | g Cher |
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| (4) | Signed at | (City) | on | (Date) | _, 2007. |
| | | | | Michael Ka | arl Gschwind |

Page 2 of 3

PATENT REEL: 019143 FRAME: 0190

| (5) | Signed at | | on | | , 2007. | |
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| | | | | Ravi Nair | | |
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| | | | _ | Wolfram | Sauer | |
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| (8) | Signed at _ | Austin | on/ | 1 pr 9 | , 2007. | |
| | | Austin (City) | | (Date) | | |
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| | | | | Raymono | d Cheung Yeung | |

Page 3 of 3

RECORDED: 04/10/2007

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REEL: 019143 FRAME: 0191