

PATENT

DOCKET NO: YOR920040265US1

In place of Form PTO-1595

RECORDATION FORM COVER SHEET - PATENTS

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy thereof:

1. Name of conveying party(ies):

- 1) Gyan V. BHANOT
- 2) Alan GARA
- 3) Philip HEIDELBERGER
- 4) Eoin LAWLESS
- 5) James C. SEXTON
- 6) Robert E. WALKUP

2. Name and address of receiving party:

INTERNATIONAL BUSINESS MACHINES
CORPORATION
New Orchard Road
Armonk, New York 10504

Additional name(s) & address(es) attached?
 Yes No

3. Nature of conveyance: XX Assignment Execution Date: (1) September 23, 2004; (2,5,6) October 6, 2004; (3) October 3, 2004; (4) October 4, 2004

4. Application or patent number(s):

If this document is being filed together with a new application, the execution date of the application is _____

A. Patent Application No.(s): 10/963,101

B. Patent No.(s):

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

Jon A. Gibbons
Fleit, Kain, Gibbons, Gutman, Bongini & Bianco P.L.
One Boca Commerce Center
551 Northwest 77th Street, Suite 111
Boca Raton, Florida 33487

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

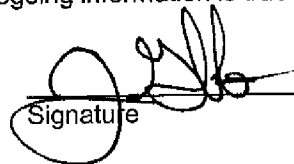
The Commissioner is hereby authorized to charge the above fee to deposit account no. 50-0510

DO NOT USE THIS SPACE

8. 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.

Jon A. Gibbons
Name of Person Signing


Signature

12/1/04
Date

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

Mail document(s) to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services
Director of the US Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

CH \$40.00 500510 10963101

EXPRESS MAIL LABEL NO. EV419650763US

PATENT

ASSIGNMENT

Whereas, we,

- (1)* Gyan V. BHANOT of Princeton,
County of Mercer and State of New Jersey
- (2)* Alan GARA of Mount Kisco
County of ~~Westchester~~ and State of NY
- (3)* Philip HEIDELBERGER of Cortlandt Manor,
County of Westchester and State of New York
- (4)* Eoin M. LAWLESS of White Plains,
County of Westchester and State of New York
- (5)* James C. SEXTON of Yorktown Heights,
County of Westchester and State of New York
- (6)* Robert E. WALKUP of Ossining
County of Westchester and State of New York

have invented certain improvements in

OPTIMIZING LAYOUT OF AN APPLICATION ON A MASSIVELY PARALLEL SUPERCOMPUTER

and executed a United States patent application therefor on the following date(s):

- (1)* Andrew
- (2)* Alan Gara
- (3)* _____
- (4)* _____
- (5)* James C. Sexton
- (6)* Robert Walkup and *

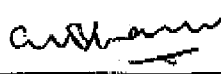


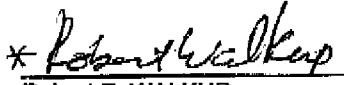
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the application and invention, and to any United States and foreign patents to be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

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby acknowledge our prior existing obligation and hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of the United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on the 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.

EXPRESS MAIL LABEL NO. EV419650763US

Signed and sealed:

*** PLEASE CHECK OR FILL IN ALL SECTIONS WITH AN
ASTERISK
DATE**

<u>LOCATION</u> (City and State you are in when signing this document)	<u>DATE</u>	<u>SIGNATURE</u>
(1)* <u>Yorktown NY</u>	<u>9/23/4</u>	<u></u> Gyan V. BHANOT
(2)* <u>Yorktown NY</u>	<u>10/6/04</u>	<u></u> Alan GARA
(3)* _____	_____	_____ Philip HEIDELBERGER
(4)* _____	_____	_____ Eoin M. LAWLESS
(5)* <u>Yorktown NY</u>	<u>10/6/4</u>	<u></u> James C. SEXTON
(6)* <u>Yorktown NY</u>	<u>10/6/4</u>	<u>* </u> Robert E. WALKUP

EXPRESS MAIL LABEL NO. EV419650763US

PATENT

ASSIGNMENT

Whereas, we,

- (1)* Gyan V. BHANOT of Princeton,
County of Mercer and State of New Jersey
- (2)* Alan GARA of _____
County of _____ and State of _____
- (3)* Philip HEIDELBERGER of Cortlandt Manor,
County of Westchester and State of New York
- (4)* Eoin M. LAWLESS of White Plains,
County of Westchester and State of New York
- (5)* James C. SEXTON of Yorktown Heights,
County of Westchester and State of New York
- (6)* Robert E. WALKUP of _____
County of _____ and State of _____

have invented certain improvements in

OPTIMIZING LAYOUT OF AN APPLICATION ON A MASSIVELY PARALLEL SUPERCOMPUTER

and executed a United States patent application therefor on the following date(s):

- (1)* _____ (2)* _____
- (3)* Philip Heidelberg (4)* _____
- (5)* _____ (6)* _____ and

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 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 acknowledge our prior existing obligation and hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of the United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on the 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.

Taiwan
IBM Docket No. YOR920040265US1

Philip Heidelberg
Philip HEIDELBERGER

10/03/2004

Eoin M. LAWLESS

James C. SEXTON

Robert E. WALKUP

EXPRESS MAIL LABEL NO. EV419650763US

PATENT

ASSIGNMENT

Whereas, we,

- (1)* Gyan V. BHANOT of Princeton,
County of Mercer and State of New Jersey
- (2)* Alan GARA of _____
County of _____ and State of _____
- (3)* Philip HEIDELBERGER of Cortlandt Manor,
County of Westchester and State of New York
- (4)* Eoin M. LAWLESS of White Plains,
County of Westchester and State of New York
- (5)* James C. SEXTON of Yorktown Heights,
County of Westchester and State of New York
- (6)* Robert E. WALKUP of _____
County of _____ and State of _____

have invented certain improvements in

OPTIMIZING LAYOUT OF AN APPLICATION ON A MASSIVELY PARALLEL SUPERCOMPUTER

and executed a United States patent application therefor on the following date(s):

- (1)* _____ (2)* _____
- (3)* _____ (4)* 10/4/2004
- (5)* _____ (6)* _____ and

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 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 acknowledge our prior existing obligation and hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of the United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on the 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.

EXPRESS MAIL LABEL NO. EV419650763US

Signed and sealed:

*** PLEASE CHECK OR FILL IN ALL SECTIONS WITH AN
ASTERISK
DATE**

LOCATION
(City and State you are in when
signing this document)

SIGNATURE

(1)* _____

Gyan V. BHANOT

(2)* _____

Alan GARA

(3)* _____

Philip HEIDELBERGER

(4)* Dublin, Ireland

10/4/2004



Eoin M. LAWLESS

(5)* _____

James C. SEXTON

(6)* _____

Robert E. WALKUP