

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yefim Shuf	08/06/2008
Hong Min	08/06/2008
Terence Patrick Purcell	08/06/2008
Ou Jin	08/08/2008
Fen-Ling Lin	08/12/2008
Brian Thinh-Vinh Tran	08/07/2008
Patrick Dooling Bossman	08/06/2008

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:	12190187

CORRESPONDENCE DATA

Fax Number: (203)255-6570
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 203-255-6560
Email: car@rml-law.com
Correspondent Name: RYAN, MASON & LEWIS, LLP
Address Line 1: 1300 POST ROAD
Address Line 2: SUITE 205
Address Line 4: FAIRFIELD, CONNECTICUT 06824

ATTORNEY DOCKET NUMBER: YOR920080367US1

PATENT

500619045

REEL: 021375 FRAME: 0425

CH \$40.00 12190187

NAME OF SUBMITTER:

Michael J. Cooper

Total Attachments: 11

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RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Yefim Shuf, Hong Min, Terence Patrick Purcell,
Ou Jin, Fen-Ling Lin, Brian Thinh-Vinh Tran and
Patrick Dooling Bossman

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ OtherExecution Date: August 6, 2008, August 6, 2008,
August 6, 2008, August 8, 2008, August 12, 2008,
August 7, 2008 and August 6, 2008

2. Name and address of receiving party(ies)

Name: International Business Machines Corporation

Internal Address:

Street Address: New Orchard Road

City: Armonk State: NY ZIP: 10504

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

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:

A. Patent Application No.(s) 12/190,187, Filed August 12, 2008

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom
correspondence concerning document should be
mailed:

Name: Michael J. Cooper

Internal Address: Ryan, Mason & Lewis, LLP

Street Address: 1300 Post Road, Suite 205

City: Fairfield State: CT ZIP: 06824

6. Total number of applications and patents
involved: 17. Total Fee (37 CFR 3.41)..... \$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number 50-0510

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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.

Michael J. Cooper

Reg. No. 57,749

Signature

August 12, 2008

Date

Total number of pages including cover sheet, attachments, and document: 11

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YOR920080367US1

Docket No. YOR920080367US1

INVENTOR
AND CITY

of Ossining,
and State of New York,

of Poughkeepsie,
and State of New York.

of Springfield,
and State of Illinois.

of Morgan Hill,
and State of California.

of San Jose,
and State of California,

of San Jose,
and State of California.

of Alexandria,
and State of Virginia

TITLE

METHOD FOR PARTITIONING A QUERY

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

(1) Aug 6, 2008, (2) _____, 2008, (3) _____, 2008,
(4) _____, 2008, (5) _____, 2008, (6) _____, 2008,
(7) _____.

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 in all 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

Yefim Shuf

on _____, 2008

Hong Min

on _____, 2008

Terence Patrick Purcell

on _____, 2008

Ou Jin

on _____, 2008

Fen-Ling Lin

on _____, 2008

Brian Thinh-Vinh Tran

on _____, 2008

Patrick Dooling Bossman

on _____, 2008

ASSIGNMENT

Docket No. YOR920080367US1

INVENTOR
AND CITY

Whereas, we

(1) **Yefim Shuf**
County of Westchesterof Ossining,
and State of New York,and (2) **Hong Min**
County of Dutchessof Poughkeepsie,
and State of New York,and (3) **Terence Patrick Purcell**
County of Sangamonof Springfield,
and State of Illinois,and (4) **Ou Jin**
County of Santa Claraof Morgan Hill,
and State of California,and (5) **Fen-Ling Lin**
County of Santa Claraof San Jose,
and State of California,and (6) **Brian Thinh-Vinh Tran**
County of Santa Claraof San Jose,
and State of California,and (7) **Patrick Dooling Bossman**
County of Fairfaxof Alexandria,
and State of Virginia

have invented certain improvements in

TITLE

METHOD FOR PARTITIONING A QUERY

DATES THAT
INVENTORS
SIGNED THE
DECLARATION

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

(1) _____, 2008, (2) August 6, 2008, (3) _____, 2008,
(4) _____, 2008, (5) _____, 2008, (6) _____, 2008,
(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 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 in all 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

Yefim Shuf

on _____, 2008



Hong Min

on August 6, 2008

Terence Patrick Purcell

on _____, 2008

Ou Jin

on _____, 2008

Fen-Ling Lin

on _____, 2008

Brian Thinh-Vinh Tran

on _____, 2008

Patrick Dooling Bossman

on _____, 2008

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Docket No. YOR920080367US1

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AND CITY

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and State of Virginia

have invented certain improvements in

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DATES THAT
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DECLARATION

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

(1) _____, 2008, (2) _____, 2008, (3) 6th AUGUST, 2008,
(4) _____, 2008, (5) _____, 2008, (6) _____, 2008,
(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 therefor;

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Signed and sealed

Yefim Shuf

on _____, 2008

Hong Min

on _____, 2008


Terence Patrick Purcell

on 6th AUGUST, 2008

Ou Jin

on _____, 2008

Fen-Ling Lin

on _____, 2008

Brian Thinh-Vinh Tran

on _____, 2008

Patrick Dooling Bossman

on _____, 2008

ASSIGNMENT

Docket No. YOR920080367US1

INVENTOR
AND CITY

Whereas, we

(1) **Yefim Shuf**
County of Westchester

of Ossining,
and State of New York,

and (2) **Hong Min**
County of Dutchess

of Poughkeepsie,
and State of New York,

and (3) **Terence Patrick Purcell**
County of Sangamon

of Springfield,
and State of Illinois,

and (4) **Ou Jin**
County of Santa Clara

of Morgan Hill,
and State of California,

and (5) **Fen-Ling Lin**
County of Santa Clara

of San Jose,
and State of California,

and (6) **Brian Thinh-Vinh Tran**
County of Santa Clara

of San Jose,
and State of California,

and (7) **Patrick Dooling Bossman**
County of Fairfax

of Alexandria,
and State of Virginia

have invented certain improvements in

TITLE METHOD FOR PARTITIONING A QUERY

DATES THAT INVENTORS SIGNED THE DECLARATION and executed, respectively, a United States patent application therefor on

(1) _____, 2008, (2) _____, 2008, (3) _____, 2008,
 (4) August 8, 2008, (5) Aug 12, 2008, (6) August 7, 2008,
 (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 therefor;

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Signed and sealed

Yefim Shuf

on _____, 2008

Hong Min

on _____, 2008

Terence Patrick Purcell

on _____, 2008



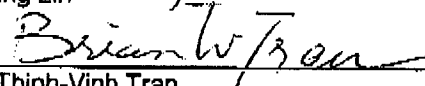
Ou Jin

on August 8, 2008



Fen-Ling Lin

on Aug. 14, 2008



Brian Thinh-Vinh Tran

on August 7, 2008

Patrick Dooling Bossman

on _____, 2008

ASSIGNMENT

Docket No. YOR920080367US1

INVENTOR
AND CITY

Whereas, we

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DATES THAT
INVENTORS
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DECLARATION

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

(1) _____, 2008, (2) _____, 2008, (3) _____, 2008,
(4) _____, 2008, (5) _____, 2008, (6) _____, 2008,
(7) Aug 6, 2008

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Yefim Shuf

on _____, 2008

Hong Min

on _____, 2008

Terence Patrick Purcell

on _____, 2008

Ou Jin

on _____, 2008

Fen-Ling Lin

on _____, 2008

Brian Thinh-Vinh Tran

on _____, 2008



Patrick Dooling Bossman

on Aug 6, 2008