

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Guang-Ho Cha	01/27/2000
Chin-Wan Chung	02/14/2000
Dragutin Petkovic	01/27/2000
Xiaoming Zhu	01/28/2000
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:	12055523
CORRESPONDENCE DATA	
Fax Number:	(619)338-8078
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	619.338.8075
Email:	Jennifer@ROGITZ.COM
Correspondent Name:	Rogitz & Associates
Address Line 1:	750 B Street
Address Line 2:	Suite 3120
Address Line 4:	San Diego, CALIFORNIA 92101
ATTORNEY DOCKET NUMBER:	ARC919990217US3
NAME OF SUBMITTER:	John L. Rogtiz
Total Attachments: 5	

CH \$40.00 12055523

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PATENT
REEL: 020782 FRAME: 0500

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RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Honorable Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name(s) of conveying party:

- (1) Guang-Ho Cha
- (2) Chin-Wan Chung
- (3) Dragutin Petkovic
- (4) Xiaoming Zhu

2. Name and address of receiving party:

International Business Machines Corporation
New Orchard Road
Armonk, NY 10504

3. Nature of conveyance: Assignment

Execution Dates: 1) January 27, 2000 2) February 14, 2000 3) January 27, 2000 4) January 28, 2000

4. Application number: 12/055,523 filed March 26, 2008 **Docket No.:** ARC919990217US3

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

John L. Rogitz – Customer No. 55485
Rogitz & Associates
750 B Street, Suite 3120
San Diego, CA 92101

6. Total number of applications involved: 1

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

8. Charge fee to Deposit Account No. 09-0441

DO NOT USE THIS SPACE

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.

John L. Rogitz
Attorney Name


Signature of Attorney

APRIL 9, 2008
Date

ASSIGNMENT

Whereas, we,

- | | | |
|---|-----------------------|---------------------------------|
| (1) GUANG-HO CHA
City of Gurnjeung-Gu | Pusan | Republic of Korea (South Korea) |
| (2) CHIN-WAN CHUNG
City of Yusong-Gu | Taejon | Republic of Korea (South Korea) |
| (3) DRAGUTIN PETKOVIC
City of Saratoga | County of Santa Clara | State of California |
| (4) XIAOMING ZHU
City of San Jose | County of Santa Clara | State of California |

have invented certain improvements in (Title of Invention):

INDEXING SYSTEM AND METHOD FOR NEAREST NEIGHBOR SEARCHES IN HIGH DIMENSIONAL DATA SPACES

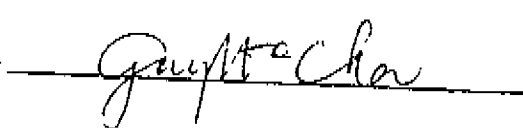
and executed a Declaration and Power of Attorney for a United States patent application therefor on

- | | |
|-----------------------------|-----------------------------|
| (1) <u>January 27, 2000</u> | (2) _____ |
| (3) <u>January 27, 2000</u> | (4) <u>January 28, 2000</u> |

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.

Execution by Inventors

- | | |
|---|---------------------------------|
| (1) Inventor: Guang-Ho Cha | City/State: <u>San Jose, CA</u> |
| Signature: <u></u> | Date: <u>01/27/2000</u> |

ASSIGNMENT

(2) Inventor: Chin-Wan Chung

City/State:

Signature _____

Date _____

(3) Inventor: Dragutin Petkovic

City/State:

San Jose CALIFORNIA

Signature _____

Date

01/27/2000

(4) Inventor: Xiaoming Zhu

City/State:

San Jose CA

Signature _____

Date

01/28/2000

ASSIGNMENT

Whereas, we,

- | | | |
|---|-----------------------|---------------------------------|
| (1) GUANG-HO CHA
City of Gumiung-Gu | Pusan | Republic of Korea (South Korea) |
| (2) CHIN-WAN CHUNG
City of Yusong-Gu | Taejon | Republic of Korea (South Korea) |
| (3) DRAGUTIN PETKOVIC
City of Saratoga | County of Santa Clara | State of California |
| (4) XIAOMING ZHU
City of San Jose | County of Santa Clara | State of California |

have invented certain improvements in (Title of Invention):

INDEXING SYSTEM AND METHOD FOR NEAREST NEIGHBOR SEARCHES IN HIGH DIMENSIONAL DATA SPACES

and executed a Declaration and Power of Attorney for a United States patent application thereof on

(1) _____ (2) February 14, 2000

(3) _____

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.

Execution by Inventors

(1) Inventor: Guang-Ho Cha

City/State:

Signature _____

Date _____

ASSIGNMENT

(2) Inventor: Chin-Wan Chung

City/State: Taejon / Korea

Signature

Chin Wan Chung

Date

Feb. 14, 2000

(3) Inventor: Dragutin Petkovic

City/State:

Signature

Date

(4) Inventor: Xiaoming Zhu

City/State:

Signature

Date