Sep 30 2005 4:03PM

RECEIVED LAW OFFICE OF CHAPLES !! D COT 810585

REC	U.S. DEPARTMENT OF COMMERCE States Palent and Trademark Office
10	3098122
To the Director of the U.S. Patent and Trademark Office: Please	
	2. Name and address of receiving party(les)
Name of conveying party(les)/Execution Date(s): Pradip Bose	Name: International Business Machines Corporation
A. Buyuktosunoglu Hung Q. Le Douglas R. Logan Richard J. Eickemeyer Zhigang Hu	Internal Address:
John B. Griswell Philip G. Emma	Internal Audress.
Execution Date(s) 9/15/2005 Additional name(s) of conveying party(les) attached? Yes X No	Street Address: New Orchard Road
3. Nature of conveyance:	
X Assignment Merger	City: Armonk
Security Agreement Change of Name	State: NY
Government Interest Assignment	Country:Zip:10504
Executive Order 9424, Confirmatory License	
Other	
Oulei	
	Additional name(s) & address(es) attached? Yes X No
Additional numbers at	
5. Name and address to whom correspondence concerning document should be mailed: Name: Charles W. Peterson, Jr.	6. Total number of applications and patents Involved: 1
Law Office of Charles W. Peterson, Jr.	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address:	Authorized to be charged by credit card
Street Address: Suite 100	X Authorized to be charged to deposit account
11703 Bowman Green Dr.	Enclosed
City: Reston	
City: Reston State: Virginia Zip: 20190	Enclosed
City: Reston State: Virginia Zip: 20190 Phone Number: (703) 481-0532	Enclosed None required (government interest not affecting title) 8. Payment Information
City: Reston State: Virginia Zip: 20190 Phone Number: (703) 481-0532 Fax Number: (703) 481-0585	Enclosed None required (government interest not affecting title)
City: Reston State: Virginia Zip: 20190 Phone Number: (703) 481-0532	Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date
City: Reston State: Virginia Zip: 20190 Phone Number: (703) 481-0532 Fax Number: (703) 481-0585	Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers
City: Reston State: Virginia Zip: 20190 Phone Number: (703) 481-0532 Fex Number: (703) 481-0585	Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date
City: Reston State: Virginia Zip: 20190 Phone Number: (703) 481-0532 Fax Number: (703) 481-0585 Email Address: bill@cwpeterson.com	Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 50-0510
City: Reston State: Virginia Zip: 20190 Phone Number: (703) 481-0532 Fax Number: (703) 481-0585 Email Address: bill@cwpeterson.com 9. Signature:	Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 50-0510 Authorized User Name September 30, 2005
City: Reston State: Virginia Zip: 20190 Phone Number: (703) 481-0532 Fax Number: (703) 481-0585 Email Address: bill@cwpeterson.com	Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 50-0510 Authorized User Name

Documents to be recorded (including cover sheet) should be faxed to (783) 306-8995, or mailed to: Misil Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

10/11/2005 ECXXXPER 00000238 500510 11228781

01 FC:8021

40.00 DA

PAGE 2/12 * RCVD AT 9/30/2005 4:02:07 PM [Eastern Daylight Time] * 8VR:USPTO-EFXRF-6/26 * DNIS:2738300 * CSID:7034810585 * DURATION (mm-ss):03-44

IBM Docket No: YOR920040167US2

Assignment

Whereas, I/WE

INVENTOR

AND CITY Pradip Bose

County of Wostobests

County of Westchester

Alper Buyuktosunoglu County of Westchester

Richard J. Eickemeyer County of Olmsted

Lee E. Eisen

County of Williamson

Philip G. Emma County of Fairfield

John B. Griswell
County of Williamson

Zhigang Hu County of Westchester

Hung Q. Le County of Travis

Douglas R. Logan County of Travis

Balaram Sinharoy County of Dutchess of Yorktown Heights

and State of NY

of Putnam Valley and State of NY

of Rochester and State of MN

of Round Rock and State of TX

of Danbury and State of CT

of Austin

and State of TX

of Ossining and State of NY

of Austin

and State of TX

of Austin

and State of TX

of Poughkeepsie, and State of NY

have invented certain improvements in

ADAPTIVE FETCH GATING IN MULTITHREADED PROCESSORS, FETCH

CONTROL AND METHOD OF CONTROLLING FETCHES

and executed herewith, a United States patent application therefor;

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;

PAGE 4/12 * RCVD AT 9/30/2005 4:02:07 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-6/26 * DNIS:2738300 * CSID:7034810585 * DURATION (mm-ss):03-44

Signed and sealed

Page 2 of 3

IBM Docket: YOR920040167US2

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 applications 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.

CITY AND	at		
DATE	on , 2005,	Pradip FIRST NAME MIDDLE INITIAL	Bose LAST NAME
	Signed and sealed		
CITY AND	at		
DATE	on , 2005,	Alper FIRST NAME MIDDLE INITIAL	SIGNATURE Buyuktosunoglu LAST NAME
	Signed and sealed		
CITY AND	at , 2005,		SIGNATURE
DATE	on , 2005,	Richard J. FIRST NAME MIDDLE INITIAL	Eickemeyer LAST NAME
	Signed and sealed		
CITY AND	on Sytenlar 15, 2005,	Les E.	SIGNATURE
	Signed and sealed	FIRST NAME MIDDLE INITIAL	LAST NAME
CITY AND	at		
DATE	on , 2005,	Philip G. FIRST NAME MIDDLE INITIAL	Emma LAST NAME
	Signed and sealed		
CITY AND	at IBM Austin on September 15, 2005,	John FIRST NAME MIDDLE INITIAL	SIGNATURE Griswell LAST NAME

PAGE 5/12 * RCVD AT 9/30/2005 4:02:07 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-6/26 * DNIS:2738300 * CSID:7034810585 * DURATION (mm-ss):03-44

Signed and sealed

Page 3 of 3 IBM Docket: YOR920040167US2

LAST NAME

CITY AND 2005, DATE OIL Hu LAST NAME MIDDLE INITIAL Signed and sealed DATE Signed and sealed at IBM Austim on September 15, CITY AND DATE FIRST NAME MIDDLE INITIAL LAST NAME Signed and sealed CITY AND 2005, DATE on SIGNATURE Balaram Sinharoy MIDDLE INITIAL

FIRST NAME

IBM Docket No: YOR920040167US2

Assignment

Whereas, I/WE

INVENTOR

AND CITY

Pradip Bose

County of Westchester

Alper Buyuktosunoglu County of Westchester

Richard J. Eickemeyer County of Olmsted

Lee E. Eisen

County of Williamson

Philip G. Emma
County of Fairfield

John B. Griswell County of Williamson

Zhigang Hu
County of Westchester

Hung Q. Le County of Travis

Douglas R. Logan County of Travis

Balaram Sinharoy County of Dutchess of Yorktown Heights

and State of NY

of Putnam Valley and State of NY

of Rochester and State of MN

of Round Rock and State of TX

of Danbury and State of CT

of Austin

and State of TX

of Ossining and State of NY

of Austin
and State of TX

of Austin

and State of TX

of Poughkeepsie, and State of NY

have invented certain improvements in

TITLE

ADAPTIVE FETCH GATING IN MULTITHREADED PROCESSORS, FETCH CONTROL AND METHOD OF CONTROLLING FETCHES

and executed herewith, a United States patent application therefor;

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;

PAGE 7/12 * RCVD AT 9/30/2005 4:02:07 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-5/26 * DNIS:2738300 * CSID:7034810585 * DURATION (mm-ss):03-44

Page 2 of 3 IBM Docket: YOR920040167US2

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 applications 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	_		
CITY	AND	at Yorktown skight, Ny on Sept. 15, 2005,	Pradip FIRST NAME	MIDDLE INITIAL	SIGNATURE Bose LAST NAME
CITY DATE	AND	Signed and sealed at Yorkhowa Hesphis, NY on Sept 15, 2005,	Alper FIRST NAME	hiddle initial	SIGNATURE Buyuktosunoglu LAST NAME
		Signed and sealed		l	
CITY DATE	AND	at, 2005,	Richard FIRST NAME	J. MIDDLE INITIAL	SIGNATURE Eickemeyer LAST NAME
		Signed and sealed	I IIWI MELL	MIDDEN THE TARE	LAU. ALL
CITY DATE	AND	at, 2005,	Lee E.		51GNATURE Eisen
		Signed and sealed	FIRST NAME	MIDDLE INITIAL	LAST NAME
CITY	AND	on Sept 15, 2005,	Philip FIRST NAME	G. MIDDLE INITIAL	SIGNATURE Emma LAST NAME
		Signed and sealed	FIRST WAME	MIDDLE INITIAL	HAST NAME
CITY DATE	AND	at, 2005,	John FIRST NAME	B. MIDDLE INITIAL	SIGNATURE Griswell LAST NAME
				***************************************	AUCA DELM

PAGE 8/12 * RCVD AT 9/30/2005 4:02:07 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-6/26 * DNIS:2738300 * CSID:7034810585 * DURATION (mm-ss):03-44

Page 3 of 3 IBM Docket: YOR920040167US2

	Signed and sealed	_	_
CITY AND	on Sept. 15, 2005,	Zhigang	SIGNATURE
	Signed and scaled	FIRST NAME MIDDLE INITIAL	LAST NAME
CITY AND DATE	on , 2005,	Hung Q.	SIGNATURE
	Signed and sealed	FIRST NAME MIDDLE INITIAL	LAST NAME
CITY AND DATE	at, 2005,		SIGNATURE
	Signed and sealed	Douglas R. FIRST NAME MIDDLE INITIAL	Logan LAST NAME
CITY AND DATE	on Sept. 15, 2005,	Ralason Linland	Signature Signature

IBM Docket No: YOR920040167US2

of Yorktown Heights

and State of NY

of Putnam Valley

and State of NY

and State of MN

of Round Rock

and State of TX

of Danbury and State of CT

of Austin and State of TX

of Ossining

of Austin

of Austin

and State of NY

and State of TX

and State of TX

of Poughkeepsie, and State of NY

of Rochester

Assignment

Whereas, I/WE

INVENTOR

AND CITY

Pradip Bose

County of Westchester

Alper Buyuktosunoglu County of Westchester

Richard J. Eickemeyer County of Olmsted

Lee E. Eisen

County of Williamson

Philip G. Emma County of Fairfield

John B. Griswell County of Williamson

Zhigang Hu

County of Westchester

Hung Q. Le County of Travis

Douglas R. Logan County of Travis

Balaram Sinharoy County of Dutchess

have invented certain improvements in

TITLE

ADAPTIVE FETCH GATING IN MULTITHREADED PROCESSORS, FETCH CONTROL AND METHOD OF CONTROLLING FETCHES

and executed herewith, a United States patent application therefor;

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;

PAGE: 10/12 * RCVD AT 9/30/2005 4:02:07 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-6/26 * DNIS:2738300 * CSID:7034810585 * DURATION (mm-ss):03-44

PATENT

REEL: 017060 FRAME: 0353

Page 2 of 3
IBM Docket: YOR920040167US2

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 applications 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		
CITY AND DATE	at, 2005,	Pradip FIRST NAME MIDDLE INITIAL	Bose LAST NAME
	Signed and sealed		
CITY AND	at on , 2005,	Alper FIRST NAME MIDDLE INITIAL	SIGNATURE Buyuktosunoglu LAST NAME
CITY AND DATE	signed and sealed at Rochester, MN on Sept 15, 2005, Signed and sealed	Richard J. FIRST NAME MIDDLE INITIAL	signature Eickemeyer Last name
CITY AND	on , 2005, Signed and sealed	Lee E. FIRST NAME MIDDLE INITIAL	SIGNATURE Eisen LAST NAME
CITY AND DATE	at, 2005, Signed and sealed	Philip G. FIRST NAME MIDDLE INITIAL	SIGNATURE Emma LAST NAME
CITY AND DATE	at, 2005,	John B. FIRST NAME MIDDLE INITIAL	SIGNATURE Griswell LAST NAME

PAGE 11/12 * RCVD AT 9/30/2005 4:02:07 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-6/25 * DNIS:2738300 * CSID:7034810585 * DURATION (mm-ss):03-44

Page 3 of 3 IBM Docket: YOR920040167US2

	Signed and seared				
CITY AND	at	2005,			SIGNATURE
DAIE	on ,	2005,	Zhigang FIRST NAME	MIDDLE INITIAL	Hu LAST NAME
	Signed and sealed				
CITY AND	at	2005			
DATE	on ,	2005,	Hung FIRST NAME	Q. MIDDLE INITIAL	Le LAST NAME
	Signed and scaled		EIRSI MANIE	MIDDE INITIAL	DASI MANS
CITY AND	at	2005,			
DATE	on ,	2005,	Douglas FIRST NAME	R. MIDDLE INITIAL	Logan LAST NAME
	Signed and sealed				
CITY AND	at				
DATE	on ,	2005,	Balaram FIRST NAME	MIDDLE INITIAL	Sinharoy LAST NAME

PAGE 12/12 * RCVD AT 9/30/2005 4:02:07 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-6/26 * DNIS:2738300 * CSID:7034810585 * DURATION (mm-ss):03-44

RECORDED: 09/30/2005