Date to the particles Patent SonLy			Doc	ket No.: END920050063US1
Tab setlings + V V V V V V V V V V V V V V V V V V	(Rev. 03-01)	RECORDATION FORM COVER SHEET U.S. DEPARTMENT OF COMMERCE		
To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): Rick A. Tayfor Name of conveying party(ies): Name: International Business Machines Corporation		PATENTS ONLY		Patent and Trademark Office
1. Name of conveying party(les): Rick A. Taylor Name International Business Machines Corporation	714	V		
Name: International Business Machines Corporation Name: International Business Machines Corporation Address: New Orchard Road Name: International Business Machines Corporation Name: International Business Machines Corporation Address: New Orchard Road Name: International Business Machines Corporation Name: International Business Machines Corporation Address: New Orchard Road Name: International Business Machines Corporation Name: City: Armonk State/Prov.: NY Country: USA ZIP: 19504 ZIP: 19505 ZIP: 21P: 21P: 21P: 21P: 21P: 21P: 21P: 21		tent and Trademark Of	fice: Please record the attache	ed original documents or copy thereof.
Additional namea(s) of conveying party(es) Yes No New Orchard Road 3. Nature of conveyance: Security Agreement Change of Name City: Armonk State/Prov.: NY			7, 7, 7	
3. Nature of conveyance: □ Assignment □ Change of Name □ Country: USA ZIP: 10504 Execution Date: 6/9/05 Additional name(s) & address(es) □ Yes ☒ No 4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: Patent Application No. Filing date B. Patent No.(s) 11/149,865 6/10/05 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Castomer No: 26502 Registration No. □ Castomer No: 26502 Registration No: □ Castomer No	I			
Security Agreement	Additional names(s) of conveying party(ies)	☐ Yes ☒ No	New Orchard Road	1000
City: Armonk State/Prov.: NY Country: USA ZIP: 10504 Execution Date: 6/9/05 Additional name(s) & address(es) Yes ® No 4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: Patent Application No. Filing date B. Patent No.(s) 11/149, 865 6/10/05 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Customer No: 26502 Registration No. Address: Registration No. Address: State/Prov.: MY Country: USA ZIP: 10504 Additional numbers Person No.(s) 6. Total number of applications and patents involved: 1 Enclosed - Any excess or insufficiency should be credited or debited to deposit account Authorized to be charged to deposit account Authorized to be charged to deposit account State/Prov.: 09-0457 Country: ZIP: (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 7. Total best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of 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. Arthur J. Samodovitz Reg. No: 31,297 Name of Person Signing	3. Nature of conveyance:			
Country: USA ZIP: 10504 Execution Date: 6/9/05 Additional name(e) & address(es)		Merger		77-15
Execution Date: 6/9/05 Additional name(s) & address(es)	_	Change of Name	City: Armonk	State/Prov.: NY
4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: Patent Application No. Filing date 8. Patent No.(s) 11/149,865 6/10/05 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Customer No: 26502 Registration No		W.44	Country: <u>USA</u>	ZIP: 10504
4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: Patent Application No. Filing date 8. Patent No.(s) 11/149,865 6/10/05 Additional numbers	Execution Date: 6/9/05		Additional name(s) & address	s(es) ☐ Yes ⊠ No
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Customer No: 26502 Registration No	11/149,805 6/10/05			
Name: Customer No: 26502 Registration No. Address: City: State/Prov.: Country: ZIP: 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. Arthur J. Samodovitz Reg. No: 31,297 Name of Person Signing 7. Total fee (37 CFR 3.41):\$ 40.00 Enclosed - Any excess or insufficiency should be credited or debited to deposit account Authorized to be charged to deposit account 8. Deposit account number: (Attach duplicate copy of this page if paying by deposit account) 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. Arthur J. Samodovitz Reg. No: 31,297 Name of Person Signing Signature 7. Total fee (37 CFR 3.41):\$ 40.00 Characteristics and patents involved: 7. Total fee (37 CFR 3.41):\$ 40.00 Characteristics and patents involved: 7. Total fee (37 CFR 3.41):\$ 40.00 Characteristics and patents involved: 1. 7. Total fee (37 CFR 3.41):		Additional numbers	☐ Yes ☒ No	
Registration No. Address: Enclosed - Any excess or insufficiency should be credited or debited to deposit account Authorized to be charged to deposit account 8. Deposit account number: City: Country: ZIP: OP-0457 (Attach duplicate copy of this page if paying by deposit account) 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. Arthur J. Samodovitz Reg. No: 31,297 Name of Person Signing Signature 7. Total fee (37 CFR 3.41):\$ 40.00 Credited or debited to deposit account (Authorized to be charged to deposit account) 8. Deposit account number: (Attach duplicate copy of this page if paying by deposit account) 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. Arthur J. Samodovitz Reg. No: 31,297 Name of Person Signing Signature To the deposit account			6. Total number of applic	cations and patents involved:
Address: Authorized to be charged to deposit account	Name: Customer No: 26502		7. Total fee (37 CFR 3.4	11):\$ 40.00
Authorized to be charged to deposit account 8. Deposit account number: City: State/Prov.: 09-0457 Country: ZIP: (Attach duplicate copy of this page if paying by deposit account) 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. Arthur J. Samodovitz Reg. No: 31,297 Name of Person Signing Signature			Li Linciosca - Arry ez	
8. Deposit account number: City: State/Prov.: 09-0457 Country: ZIP: (Attach duplicate copy of this page if paying by deposit account) 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. Arthur J. Samodovitz Reg. No: 31,297 Name of Person Signing Signature 3. Deposit account number: 09-0457 (Attach duplicate copy of this page if paying by deposit account) 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.	Address:		-	·
Country: ZIP: (Attach duplicate copy of this page if paying by deposit account) 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. Arthur J. Samodovitz Reg. No: 31,297 Name of Person Signing Signature O NOT USE THIS SPACE Signature Do NOT USE THIS SPACE Signature	***	19.44		- TEMPL
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. Arthur J. Samodovitz Reg. No: 31,297 Name of Person Signing DO NOT USE THIS SPACE Signature Do NOT USE THIS SPACE 1. (a) Log Copy Signature Date	City: State	e/Prov.:	09-0457	
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. Arthur J. Samodovitz Reg. No: 31,297 Name of Person Signing Signature Date	Country: ZIP:	WILAU	(Attach duplicate copy of	this page if paying by deposit account)
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. Arthur J. Samodovitz Reg. No: 31,297 Name of Person Signing Signature Date		DO NOT	USE THIS SPACE	
Name of Person Signing Signature 3 Date	To the best of my knowledge and belief,	the foregoing inform	ation is true and correct an	nd any attached copy is a true copy
Name of Person Signing Signature 3 Date	Arthur J. Samodovitz Reg. No: 31,297	lit	カインサ	Tue 10,2005
Total number of pages including cover sheet, attachments, and	• •	umber of pages including (-	3 Date

PATENT DOCKET NO. END9200500 €8US1

PATENT ASSIGNMENT FORM

For and in consideration of good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor acknowledges his/her prior and ongoing obligation to sell, assign, and transfer, and agrees to sell, assign, and transfer the entire world wide right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements conceived during and within the scope of his/her employment, and further acknowledges that he/she has sold, assigned, and transferred, and hereby sells, assigns, and transfers, unto:

INTERNATIONAL BUSINESS MACHINES CORPORATION ("IBM"), Armonk, New York 10504

a corporation of New York, and IBM desires to acquire all right, title, and interest, in and to the certain inventions (identified below), applications, and any United States and foreign patents to be obtained therefor relating to:

Title of Invention for SYSTEM, METHOD AND PROGRAM FOR ESTIMATING A REQUISITE AMOUNT OF SERVER RESOURCES

United States Patent as set forth in United States Patent Application executed by each undersigned inventor on the date indicated by each inventor signature below, and further identified by **Attorney Docket Number** END920050063US1

(select one): ____executed concurrently herewith or XSerial No. 11/149,865 Filed on 6/10/05

for and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States and foreign patents and all rights of priority to be obtained therefor which may issue on any such application or for said invention therein disclosed, including any and all reissues or extensions thereof, to be held and enjoyed by, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each undersigned inventor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to IBM, its successors and assigns, in accordance herewith;

Each undersigned inventor warrants and covenants that he/she has the full and unencumbered right to sell and assign the interests hereby sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith;

Each undersigned inventor further covenants and agrees that he/she, upon the request and at the expense of the IBM, will execute and deliver any papers, make all rightful oaths, testify in any legal proceeding relating to said inventions and improvements, communicate to the IBM all facts known to the undersigned relating to such inventions and improvements and the history thereof; and perform all other lawful acts deemed necessary or desirable by IBM, and its legal representatives, to secure, maintain, and enforce patent protection for such inventions and improvements and for vesting title to such inventions and improvements in the IBM, and in particular to perfect title to said above-identified certain inventions, and applications including divisions and continuations thereof, and any and all Letters Patent which may be granted therefore or thereon, including reissues, extensions, or counterparts;

Each undersigned inventor hereby grants the IBM and the firm of the power to insert in this Assignment any further identification which may be necessary or desirable for recordation of this Assignment.

This assignment is governed by the substantive laws of the state of New York.

PATENT REEL: 016399 FRAME: 0473

P.04/04

PAGE 03

PATENT DOCKET NO:END9200500@JUS1

Executed by Inventor 1 of 1

Signature: _______

_Date:

2