Docket No.: JP920030271US1

U.S. DEPARTMENT OF COMMERCE FORM PTO-1595 (Modified) RECORDATION FORM COVER SHEET (Rev. 03-01) Patent and Trademark Office OMB No. 0851-0027 (exp.5/31/2002) PATENTS ONLY P08/REV03 Təb settings 🔷 🔷 🔷 To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof. Name and address of receiving party(ies): Name of conveying party(ies): Deepak M. Srinivasa Name: International Business Machines Corporation Internal Address: Additional names(s) of conveying party(ies) ☐ Yes ⊠ No 3. Nature of conveyance: Street Address: New Orchard Road □ Merger ☐ Security Agreement ☐ Change of Name City: Armonk State: NY ZIP: 10504 Execution Date: 08/18/05 Additional name(s) & address(es) attached?

Yes
No 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: A. Patent Application No.(s) B. Patent No.(s) 11/214,603 Filed 08/30/05 Additional numbers attached?

Yes

No 5. Name and address of party to whom correspondence Total number of applications and patents involved: concerning document should be mailed: Name: Customer No. 26502 7. Total fee (37 CFR 3.41):....\$ 40.00 Internal 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: Street Address: 09-0457 __ State: ___ ZIP: (Attach duplicate copy of this page if paying by deposit account) City: ___ 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. William H. Steinberg, Reg. No. 28,540 Name of Person Signing Signature Date

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

700215928

PATENT

DOCKET NO.: JP920030271US1

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 scape 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 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 therefore relating to:

Title of Invention for United States Patent GLOBAL ALIGNMENT OF SEQUENCE DATA

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 JP92003027TU\$1**:

(select one): ____ executed concurrently herewith or _X__ Serial No.11/214,603 Filed on _08/30/05_

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 therefore 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.

1

PATENT REEL: 016854 FRAME: 0523

			PATENT DOCKET NO.: JP920030271US1
	-	Executed by Inventor 1 of 1	
Signature:	M.S.D.	Date:18, i	August, 2005