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RECORDATION FORM COVER SHEET  
PATENT(S)

Docket No. RSW920030265US1

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

<b>1. Name of conveying party(ies):</b>  (1) THOMAS RANDALL HUDSON, JR.  Additional name(s) of conveying party(ies) attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Execution Date:</b>  <u>3/26/04</u>
<b>2. Name and address of receiving party(ies):</b>  International Business Machines Corporation New Orchard Road Armonk, New York 10504	<b>3. Nature of conveyance:</b>  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other

**4. Application number(s) or patent number(s):**

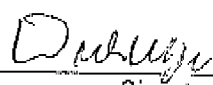
If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 10/811,742 B. Patent No.(s) \_\_\_\_\_

<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b>  Duke W. Yee Carstens, Yee & Cahoon LLP, P.O. Box 802334 Dallas, Texas 75380 (972) 367-2001	<b>6. Total number of applications and patents involved:</b> <u>1</u>
	<b>7. Total fee (37 CFR 3.41) \$ <u>40.00</u></b> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account
	<b>8. Deposit account number:</b>  <u>00-0461</u>

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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.

<u>Duke W. Yee</u> Name of Person Signing	<u></u> Signature	<u>4/8/04</u> Date
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Total number of pages including cover sheet: 3

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IBM DOCKET NO. RSW920030265US1

## A S S I G N M E N T

Whereas, I,

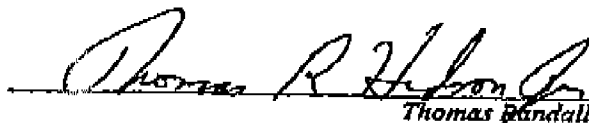
(1) Thomas Randall Hudson, Jr.  
County of Wakeof Cary  
and State of North Carolina

have invented certain improvements in

**METHOD, DATA PROCESSING SYSTEM, AND COMPUTER PROGRAM PRODUCT FOR DETERMINING  
INVERSION EDGES FOR A CYCLIC COMPOUND DIRECTED GRAPH**and executed, respectively, a United States patent application therefore on  
(Date Inventor Signed Declaration) (1) 3/26/04, 2004.

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, I, 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 I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

(1) Signed at RTP, NC on March 26<sup>th</sup>, 2004.  
Thomas Randall Hudson, Jr.