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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): JEFFREY POWERS BRADFORD RICHARD JAMES EICKEMEYER TIMOTHY HUME HEIL HAROLD F. KOSSMAN TIMOTHY JOHN MULLINS</p> <p>Additional names of conveying party(ies) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p> <hr/> <p>3. Nature of Conveyance</p> <p><input checked="" type="checkbox"/> Assignment      <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement      <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: September 21, 2005, September 21, 2005 September 21, 2005 September 28, 2005 and September 22, 2005</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>International Business Machines Corporation</u></p> <p>Internal Address: _____ _____</p> <p>Street Address: <u>New Orchard Road</u> City <u>Armonk</u> State <u>New York</u> Zip <u>10504</u></p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p>
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4. Application number(s) or patent number(s):

**TITLE: METHOD, APPARATUS, AND COMPUTER PROGRAM PRODUCT FOR IMPLEMENTING POLYMORPHIC BRANCH HISTORY TABLE RECONFIGURATION**

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

<p>A. Patent Application No(s).</p> <p>Docket No.: ROC920050149US1 Serial No.: 11/246,820</p>	<p>B. Patent No(s).</p>
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Additional numbers attached?  Yes  No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Robert R. Williams IBM Corporation Intellectual Property Law Dept. 917 3605 Hwy. 52 North Rochester, MN 55901 507-253-2761</p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41): <u>\$40.00</u></p> <p><input type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Total fee due <input checked="" type="checkbox"/> Any deficiencies in the enclosed fees</p> <p>8. Deposit account number: <u>09-0465 for IBM Corporation</u></p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
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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.

Robert R. Williams #48,395  
Name of Person Signing

Robert R. Williams  
Signature

10/31/2005  
Date

Total number of pages including cover sheet: 3

CH \$40.00 090465 11246820

Docket No. ROC920050149US1

**ASSIGNMENT**

Whereas, we

- |     |  |   |
|-----|--|---|
| (1) | <b>Jeffrey Powers Bradford</b><br>County of Olmsted  | City of Rochester,<br>and State of Minnesota, |
| (2) | <b>Richard James Eickemeyer</b><br>County of Olmsted | City of Rochester,<br>and State of Minnesota, |
| (3) | <b>Timothy Hume Hell</b><br>County of Olmsted        | City of Rochester,<br>and State of Minnesota, |
| (4) | <b>Harold F. Kossman</b><br>County of Olmsted        | City of Rochester,<br>and State of Minnesota, |
| (5) | <b>Timothy John Mullins</b><br>County of Olmsted     | City of Rochester,<br>and State of Minnesota, |

have invented certain improvements in

**METHOD, APPARATUS, AND COMPUTER PROGRAM PRODUCT FOR IMPLEMENTING  
POLYMORPHIC BRANCH HISTORY TABLE RECONFIGURATION**

and have executed, respectively, a United States patent application therefor on

Dates Inventors Signed

Declaration	(1) <i>Sept. 21</i>	, 2005	(2) <i>Sept. 21</i>	, 2005
	(3) <i>Sept. 21</i>	, 2005	(4) <i>Sept. 28</i>	, 2005
	(5) <i>Sept. 22</i>	, 2005		

And 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 invention 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.

Docket No. ROC920050149US1

Signed

Inventor (1) at Rochester, Minnesota J. B. Inventor Signature  
 (1) (Jeffrey Powers Bradford)  
 on 09/21, 2005. First Name Initial Last Name

Inventor (2) at Rochester, Minnesota Richard James Elckemeyer Inventor Signature  
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Inventor (5) at Rochester, Minnesota Timothy John Mullins Inventor Signature  
 (5) (Timothy John Mullins)  
 on 9-22, 2005. First Name Initial Last Name