

FORM PTO-1595  
1-31-92

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
Docket No. ROC920050146US1

RECORDATION FORM COVER SHEET  
PATENTS ONLY

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

<p>1. Name of conveying party(ies):  <b>MARK S FREDRICKSON  SCOTT DOUGLAS FREI  STEVEN PAUL JONES</b></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: <b>October 31, 2005, October 31, 2005 and  October 31, 2005</b></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>
<p>4. Application number(s) or patent number(s):  <b>TITLE: METHOD, APPARATUS AND COMPUTER PROGRAM PRODUCT FOR IMPLEMENTING SCAN-CHAIN-SPECIFIC CONTROL SIGNALS AS PART OF A SCAN CHAIN</b></p> <p>If this document is being filed together with a new application, the execution date of the application is _____</p> <p>A. Patent Application No(s).      B. Patent No(s).</p> <p style="margin-left: 100px;">Docket No. ROC920050146US1  Serial No. 11/266,744</p> <p style="text-align: center;">Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>Name and address of party to whom correspondence concerning document should be mailed:</p> <p style="margin-left: 100px;"><b>Robert R. Williams  IBM Corporation - Dept. 917  3605 Highway 52 North  Rochester, MN 55901-7829</b></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41): <span style="float: right;"><u>\$ 40.00</u></span></p> <p><input type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p style="margin-left: 40px;"><input checked="" type="checkbox"/> Total fee due  <input checked="" type="checkbox"/> Any deficiencies in the enclosed fees</p> <p>8. Deposit account number:  <u>09-0465</u></p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
<p><b>DO NOT USE THIS SPACE</b></p>	
<p>9. Statement and signature</p> <p style="text-align: center;">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.</p> <p><u>Robert R. Williams, #48,395</u>      <u><i>Robert R. Williams</i></u>      <u>11/15/05</u>  Name of Person Signing      Signature      Date</p> <p style="text-align: right;">Total number of pages comprising cover sheet: <u>3</u></p>	

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**ASSIGNMENT**

Whereas, we

- |     |  |   |
|-----|--|---|
| (1) | <b>Mark S Fredrickson</b><br>County of Olmsted | City of Rochester,<br>and State of Minnesota, |
| (2) | <b>Scott Douglas Frei</b><br>County of Olmsted | City of Rochester,<br>and State of Minnesota, |
| (3) | <b>Steven Paul Jones</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  
SCAN-CHAIN-SPECIFIC CONTROL SIGNALS AS PART OF A SCAN CHAIN**

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

Dates Inventors

Signed

Declaration (1) *October 31*, 2005 (2) *October 31*, 2005  
(3) *October 31*, 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;

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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,

**Signed**

Inventor (1) at Rochester, Minnesota  
 on 10/31/05, 2005.

  
**(Mark S Fredrickson)** Inventor Signature  
 First Name Initial Last Name

Inventor (2) at Rochester, Minnesota  
 on 10/31/05, 2005.

  
**(Scott Douglas Frei)** Inventor Signature  
 First Name Initial Last Name

Inventor (3) at Rochester, Minnesota  
 on 10-31-, 2005.

  
**(Steven Paul Jones)** Inventor Signature  
 First Name Initial Last Name