

FORM PTO-1595  
1-31-92

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
Docket No. ROC920050216US1

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PATENTS ONLY

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

<p>1. Name of conveying party(ies): David A. Kra</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: 11/21/2005</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>International Business Machines Corporation</u></p> <p>Internal Address: _____</p> <hr/> <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: DIGITAL DATA PROCESSING APPARATUS HAVING ASYMMETRIC HARDWARE MULTITHREADING SUPPORT FOR DIFFERENT THREADS**  
If this document is being filed together with a new application, the execution date of the application is \_\_\_\_\_

<p>A. Patent Application No(s). Serial No. 11/290,887 Docket No. ROC920050216US1</p>	<p>B. Patent No(s).    </p>
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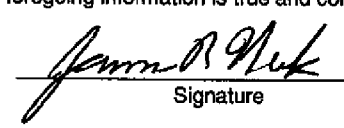
Additional numbers attached?  Yes  No

<p>Name and address of party to whom correspondence concerning document should be mailed:</p> <p>James R. Nock, Attorney IBM Corporation - Dept. 917 3605 Highway 52 North Rochester, MN 55901-7829</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  <input checked="" type="checkbox"/> Authorized to be charged to deposit account  <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>
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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.

<p><u>James R. Nock, Reg. No. 42,937</u> Name of Person Signing</p>	 Signature	<p><u>December 22, 2005</u> Date</p>
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Total number of pages comprising cover sheet: 1

CH \$40.00 090465 11290887

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# ASSIGNMENT

Whereas, I

David A. Kra,  
County of Essex

City of West Orange,  
and State of New Jersey,

have invented certain improvements in

## DIGITAL DATA PROCESSING APPARATUS HAVING ASYMMETRIC HARDWARE MULTITHREADING SUPPORT FOR DIFFERENT THREADS

and have executed a United States patent application therefor on

Date  
Inventor                      November 21                      , 2005.  
Signed  
Declaration

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, 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.

**Signed**

Inventor                      at West Orange, New Jersey  
on 11/21, 2005.

David A. Kra                      Inventor  
(David A. Kra)                      Signature  
First Name      Initial                      Last Name