

11-05-2002



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

<p>1. Name of conveying party(ies): David Arnold Luick</p> <p>10-29-02</p> <p>Additional names of conveying party(ies) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p> <p>3. Nature of Conveyance <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: October 24, 2002</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: ZERO DELAY DATA CACHE EFFECTIVE ADDRESS GENERATION</b> 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). Docket No. ROC920010176US1 Serial No. <u>10,282,519</u></p> <p>B. Patent No(s).</p> <p>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>Robert R. Williams 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</p> <p><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> <p>(Attach duplicate copy of this page if paying by deposit account)</p>	
<p>DO NOT USE THIS SPACE</p>			
<p>9. Statement and signature</p> <p>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> Name of Person Signing</p> <p><u>Robert Williams</u> Signature</p> <p><u>10-29-02</u> Date</p> <p>Total number of pages comprising cover sheet: <u>2</u></p>			

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**ASSIGNMENT**

Whereas, I,

(1) **David Arnold Luick of Rochester, Olmsted County, Minnesota**

have invented certain improvements in

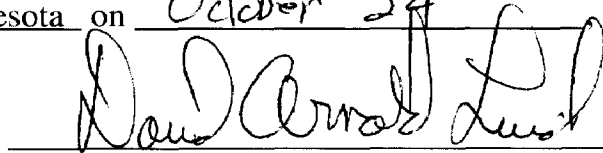
**ZERO DELAY DATA CACHE EFFECTIVE ADDRESS GENERATION**

and executed, respectively, a United States patent application therefor on (Date Inventor Signed Declaration) (1) October 24, 2002.

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.

(1) Signed at Rochester, Minnesota on October 24 2002.

A handwritten signature in black ink, appearing to read "David Arnold Luick", written over a horizontal line.

**David Arnold Luick**