

08-01-2002



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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):</p> <p>Adam Michael Espeseth David Robison Hall</p> <p>7.23.02</p> <p>Additional names of conveying party(ies) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p> <p>3. Nature of Conveyance</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: July 18, 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) & address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p>	
<p>4. Application number(s) or patent number(s):</p> <p>TITLE: <u>Method and Apparatus for Implementing Command Queue Ordering With Benefit Determination of Prefetch Operations</u></p> <p>If this document is being filed together with a new application, the execution date of the application is July 18, 2002.</p> <p>A. Patent Application No(s). <u>10/201497</u> B. Patent No(s).</p> <p>Docket ROC920020073US1</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>			
<p>5. 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</p>		<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CVF 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</p> <p><input checked="" type="checkbox"/> Total fee due</p> <p><input checked="" type="checkbox"/> Any deficiencies in the enclosed fees</p> <p>8. Deposit account number:</p> <p><u>09-0465</u></p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>	
<p>08/01/2002 TBI A21 00000007 090465 10201497 01 FC:581 40.00 CH</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>James R. Nock, Reg. No. 42,937</u> Name of Person Signing</p> <p><u>James R Nock</u> Signature</p> <p><u>July 22, 2002</u> Date</p> <p>Total number of pages including cover sheet, attachments and documents: <u>1</u></p>			

10/201497
10/23/02

ASSIGNMENT

Whereas, we

- | | | |
|-----|--|---|
| (1) | Adam Michael Espeseth
County of Olmsted | City of Rochester,
and State of Minnesota, |
| (2) | David Robison Hall
County of Olmsted | City of Rochester,
and State of Minnesota, |

have invented certain improvements in

**METHOD AND APPARATUS FOR IMPLEMENTING COMMAND QUEUE ORDERING WITH
BENEFIT DETERMINATION OF PREFETCH OPERATIONS**

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

Dates

Inventors Signed

Declaration (1) July 18, 2002 (2) July 18, 2002

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.

Signed

Inventor (1) at Rochester, MN
on July 18, 2002.

Adam Michael Espeseth
(Adam Michael Espeseth)
First Name Initial Last Name

Inventor
Signature

Inventor (2) at Rochester, MN
on July 18, 2002.

David Robison Hall
(David Robison Hall)
First Name Initial Last Name

Inventor
Signature