Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
EFFECTIVE DATE:	05/30/2006

CONVEYING PARTY DATA

Name	Execution Date	
John D. Irish	05/30/2006	
Chad B. McBride	05/30/2006	
Ibrahim A. Ouda	05/26/2006	
Andrew H. Wottreng	05/25/2006	

RECEIVING PARTY DATA

Name:	International Business Machines Corporation	
Street Address:	New Orchard Road	
City:	Armonk	
State/Country:	NEW YORK	
Postal Code:	10504	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11420884

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ATTORNEY DOCKET NUMBER:	ROC920050489US1
NAME OF SUBMITTER:	James R Nock

PATENT REEL: 017691 FRAME: 0934

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Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif

> PATENT REEL: 017691 FRAME: 0935

ASSIGNMENT

Whereas, we

(1) **John D. Irish** City of Rochester and State of Minnesota,

(2) Chad B. McBride City of Rochester, County of Olmsted and State of Minnesota,

(3) **Ibrahim A. Ouda** City of Rochester, County of Olmsted and State of Minnesota,

(4) **Andrew H. Wottreng** City of Rochester, and State of Minnesota,

have invented certain improvements in

METHOD AND APPARATUS FOR HANDLING CONCURRENT ADDRESS TRANSLATION CACHE MISSES AND HITS UNDER THOSE MISSES WHILE MAINTAINING COMMAND ORDER

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

Dates Inventors

Signed

Declaration (1) May 30, 2006 , 2006 (2) May 30, 2006 , 2006 (3) May 26, 2006 , 2006 (4) May 25, 2006 , 2006

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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Docket No. ROC920050489US1

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		A 1 5 A 1	
Inventor	at Rochester, MN	(John D. Jrigh)	Inventor
(1)		/ (John D. Irish) First Name Initial Last Name	Signature
	on May 30, 2006.		
Inventor	at Rochester, MN	GAB Miluw	Inventor
(2)		(Chad B. McBride)	Signature
	on May 30 , 2006.	First Name Initial Last Name	
Inventor	at Rochester, MN	Chiling A. Ouda	_ Inventor
(3)		(Ibrahim A. Ouda)	Signature
	on May 26, 2006.	First Name Initial Last Name	
Inventor	at Rochester, MN	Under A. Wolliers	Inventor
(4)		(Andrew H. Wottreng)	Signature
	on May 25, 2006.	First Name Initial Last Name	

RECORDED: 05/30/2006

PATENT REEL: 017691 FRAME: 0937