

RightFax

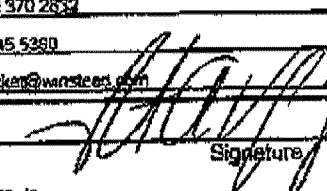
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700163697Form PTO-1595 (Rev. 09/04)
OMB No. 0551-0027 (exp. 6/30/2005)U.S. DEPARTMENT OF COMMERCE
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1. Name of conveying party(ies)/Execution Date(s): Guy L. Gustin William J. Starks Derek E. Williams Philip G. Williams Execution Date(s) <u>02/10/05, 02/10/05; 02/10/05, 02/10/05</u> Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies) Name: <u>IBM Corporation</u> Internal Address: _____ Street Address: <u>New Orchard Road</u> City: <u>Armonk</u> State: <u>New York</u> Country: <u>U.S.A.</u> Zip: <u>10504</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____		4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application A. Patent Application No. (s) <u>11/058,721</u> B. Patent No (s) Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Winsstead Sechrest & Minick P.C.</u> Internal Address: _____ Street Address: <u>P.O. Box 50784</u> City: <u>Dallas</u> State: <u>Texas</u> Zip: <u>75201</u> Phone Number: <u>512 370 2832</u> Fax Number: <u>214 745 5380</u> Email Address: <u>docken@winstead.com</u>		6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 1.21(h) & 3.41): \$ <u>40.00</u> <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number <u>09-0447 (1109)</u> Authorized User Name <u>Robert A. Voigt, Jr.</u>	
9. Signature:  Robert A. Voigt, Jr. Name of Person Signing		Date: <u>March 21, 2005</u> Total number of pages including cover sheet, attachments, and documents: <u>5</u>	

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AUS920041109US1

ASSIGNMENT

Whereas, we,

- (1) Guy L. Guthrie, of Austin,
County of Travis, and State of Texas,
- (2) William J. Starke, of Round Rock,
County of Williamson, and State of Texas,
- (3) Derek E. Williams, of Austin,
County of Williamson, and State of Texas,
- (4) Phillip G. Williams, of Leander,
County of Williamson, and State of Texas,

have invented certain improvements in

IMPROVING THE BANDWIDTH OF A CACHE DIRECTORY BY SLICING THE CACHE
DIRECTORY INTO TWO SMALLER CACHE DIRECTORIES AND REPLICATING
SNOOPING LOGIC FOR EACH SLICED CACHE DIRECTORY

and executed a United States patent application therefor on *(dates Inventors signed Declaration)*

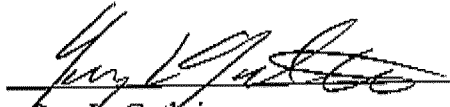
- (1) Feb 10th 2005, (2) _____, (3) Feb 10th 2005, and
(4) Feb 10th 2005.

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.

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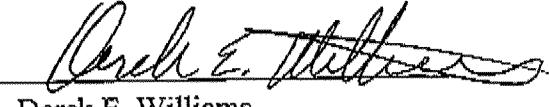
(1) Signed at Austin on Feb 10th, 2005


Guy L. Guthrie


(2) Signed at _____ on _____, 2005

William J. Starke

(3) Signed at Austin on Feb. 10th, 2005


Derek E. Williams

(4) Signed at Austin on Feb 10th, 2005


Phillip G. Williams

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AUS920041109US1

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- | | | |
|-----|---|---------------------------------------|
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County of Travis, | of Austin,
and State of Texas, |
| (2) | William J. Starke,
County of Williamson, | of Round Rock,
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County of Williamson, | of Austin,
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- (1) _____, (2) 2/10/05, (3) _____, and
(4) _____

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.

AUS920041109US1

(1) Signed at _____ on _____, 2005

Guy L. Guthrie

(2) Signed at CONROE on 2/10, 2005

William J. Starke

(3) Signed at _____ on _____, 2005

Derek E. Williams

(4) Signed at _____ on _____, 2005

Phillip G. Williams

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