

Form PTO-1595
(Rev. 6-93)

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101043138

Patent & Trademark

Office
OMB No. 065-0011 (exp. 4/94)

To The Honorable Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies) thereof.

<p>1. Name of conveying party(ies):</p> <p>Mikko Herman Lipasti</p> <p style="text-align: center; font-size: 24px;">1-19-99</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>3. 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></p> <p>City: <u>Armonk</u></p> <p>State: <u>New York</u> Zip Code: <u>10504</u></p> <p>Country: <u>U.S.A.</u></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>2. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other _____</p> <p>Execution Date: <u>January 18, 1999</u></p>	

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No(s). 09/232,263 B. Patent No(s). _____

Additional numbers attached? Yes No


<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Scott A. Stinebruner, Esq.</u></p> <p>Internal Address: <u>Wood, Herron & Evans, L.L.P.</u></p> <p style="padding-left: 40px;"><u>2700 Carew Tower</u></p> <p>Street Address: <u>441 Vine Street</u></p> <p>City: <u>Cincinnati</u> State: <u>Ohio</u> Zip: <u>45202</u></p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 33.41): <u>\$40.00</u></p> <p><input type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account if deficiencies occur</p> <p>8. Deposit Account number: <u>23-3000</u></p> <p>(Attach duplicate copy of this page is paying by deposit account)</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.

Scott A. Stinebruner (R. No. 38,323)  May 14, 1999

Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: 2

IBM Docket No. RO998-240

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 009964 FRAME: 0764

Form PTO-1595
(Rev. 6-93)

RECOI

01-27-1999

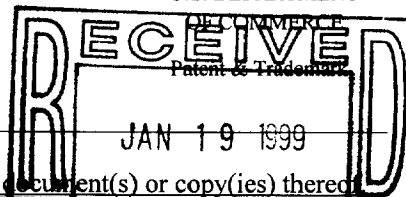
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U.S. DEPARTMENT



100951389

Office
OMB No. 065-0011 (exp. 4/94)



To The Honorable Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies) thereof

<p>1. Name of conveying party(ies):</p> <p>Mikko Herman Lipasti</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>3. 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></p> <p>City: <u>Armonk</u></p> <p>State: <u>New York</u> Zip Code: <u>10504</u></p> <p>Country: <u>U.S.A.</u></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>2. Nature of conveyance: <u>1-19-99</u></p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other _____</p> <p>Execution Date: <u>January 18, 1999</u></p>	

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: January 18, 1999.

A. Patent Application No(s). _____ B. Patent No(s). _____

Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Scott A. Stinebruner, Esq.</u></p> <p>Internal Address: <u>Wood, Herron & Evans, L.L.P.</u></p> <p>2700 Carew Tower</p> <p>Street Address: <u>441 Vine Street</u></p> <p>City: <u>Cincinnati</u> State: <u>Ohio</u> Zip: <u>45202</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 33.41): <u>\$40.00</u></p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account if deficiencies occur</p> <p>8. Deposit Account number: <u>23-3000</u></p> <p>(Attach duplicate copy of this page is paying by deposit account)</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.

Scott A. Stinebruner (R. No. 38,323) _____ January 19, 1999

Name of Person Signing _____ Signature _____ Date _____

Total number of pages including cover sheet, attachments, and document: 2

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01/26/1999 DNGUYEN 00000152 MIKKO HERMAN L IBM Docket No. RO998-240

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Washington, D.C. 20231

PATENT

REEL: 009964 FRAME: 0765

ASSIGNMENT

WHEREAS, I, Mikko Herman Lipasti, residing at 817 28th Street NW, Rochester, Minnesota 55901, made certain new and useful inventions and improvements for which I executed an application for Letters Patent of the United States filed herewith which is entitled MEMORY ACCESS REQUEST REORDERING TO REDUCE MEMORY ACCESS LATENCY.

AND WHEREAS, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation organized and existing under and by virtue of the laws of the State of New York, and having an office and place of business at New Orchard Road, Armonk, New York 10504 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, I do hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore I covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

Jan. 18, 1999
Date

Mikko Herman Lipasti
Mikko Herman Lipasti

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Mikko Herman Lipasti Art Unit: 2751
Serial No. : 09/232,263 Examiner: Unknown
Filed : January 19, 1999
For : MEMORY ACCESS REQUEST REORDERING TO REDUCE MEMORY
ACCESS LATENCY

TRANSMITTAL

U.S. Patent and Trademark Office
Assignment Division
Box Assignments
CG-4
1213 Jefferson Davis Highway, Suite 320
Washington, DC 20231

Sir:

We are transmitting herewith the attached:

- Transmittal (in duplicate) containing Certificate of Mailing Under 37 CFR 1.8
- Assignment Recordation Request for Document No. 100951389
- Assignment to International Business Machines Corporation, Recordation
- Cover Sheet (Form PTP-1595)
- Copy of Notice of Non-Recordation
- Original Recordation Sheet (Form PTP-1595)
- Reply Postcard

Please charge any additional fees or credit overpayment to Deposit Account No. 23-3000. A duplicate of this sheet is enclosed.

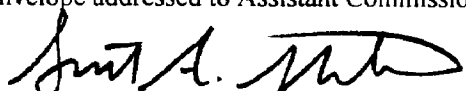
WOOD, HERRON & EVANS, L.L.P.
2700 Carew Tower
Cincinnati, Ohio 45202
(513) 241-2324

By:


Scott A. Stinebruner Reg. No. 38,323

CERTIFICATE OF MAILING 37 CFR 1.8

hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231 on May 14, 1999.


Scott A. Stinebruner Reg. No. 38,323

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Mikko Herman Lipasti	Art Unit:	2751
Serial No.:	09/232,263	Examiner:	Unknown
Filed:	January 19, 1999	Atty. Docket No.:	IBM/84
For:	MEMORY ACCESS REQUEST REORDERING TO REDUCE MEMORY ACCESS LATENCY		

ASSIGNMENT RECORDATION REQUEST FOR DOCUMENT NO. 100951389

U.S. Patent and Trademark Office
 Assignment Division
 Box Assignments
 CG-4
 1213 Jefferson Davis Highway, Suite 320
 Washington, DC 20231

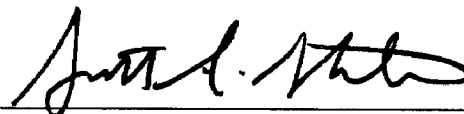
Sir:

Enclosed herewith is an Assignment and Recordation Cover Sheet therefor for recording in the U.S. Patent and Trademark Office. This Assignment was originally submitted with the above-identified patent application, but was denied recordation for failing to identify the serial number of the application. A copy of the Notice of Non-Recordation, as well as the original Recordation Cover Sheet are also enclosed herewith.

The office will note that the serial number has been provided on the new Recordation Sheet, however, as it is Applicant's understanding that provision of a serial number was not required for a submission of an Assignment concurrently with filing a patent application, no additional fee, above and beyond the \$40.00 paid at the time of filing is due in this case.

If the Office has any questions regarding the foregoing, please contact the undersigned at (513) 241-2324. Moreover, if any other charges or credits are necessary to complete this communication, please apply them to Deposit Account 23-3000.

Respectfully submitted,



Scott A. Stinebruner
 Reg. No. 38,323
 WOOD, HERRON & EVANS, L.L.P.
 2700 Carew Tower
 Cincinnati, Ohio 45202
 (513)241-2324

14 MAY 1999

Date