





<b>09-08-1998</b>  <b>100811481</b>		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office			
HEET		Atty. Docket No.: <b>MS-21/5(115380.1)</b>			
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies):  <p style="text-align: center;"><b>John R. DOUCEUR</b> <b>Yoram BERNET</b> <b>Ofer BAR</b></p> 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: <b>Microsoft Corporation</b> Address: Street Address: <b>One Microsoft Way</b>  City: <b>Redmond</b> State: <b>WA</b> ZIP: <b>98052</b>  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"/> Other					
Execution Date: <b>August 11, 1998 and August 19, 1998</b>					
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) <b>09/103,089</b> B. Patent No.(s)  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <b>Peter L. Michaelson, Esq.</b> <b>MICHAELSON &amp; WALLACE</b> <b>Customer No. 007265</b>  Internal Address: <b>PO Box 8489</b> Street Address: <b>Parkway 109 Office Center</b> <b>328 Newman Springs Rd.</b>  City: <b>Red Bank</b> State: <b>NJ</b> ZIP: <b>07701</b>	6. Total number of applications and patents involved: <b>1</b> 7. Total fee (37 CFR 3.41).....\$ <b>40.00</b> <input checked="" type="checkbox"/> Included with Filing Fees <input type="checkbox"/> Any additional fees required are authorized to be charged to the deposit account listed below.  8. Deposit account number: <p style="text-align: center;"><b>50-0463</b></p> (Attach duplicate copy of this page if paying by deposit account)				
DO NOT USE THIS SPACE					
9. Statement and signature <i>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</i>  <table style="width: 100%;"> <tr> <td style="width: 30%; text-align: center;"> <b>Peter L. Michaelson</b>          Name of Person Signing       </td> <td style="width: 40%; text-align: center;">           Signature       </td> <td style="width: 30%; text-align: center;"> <b>August 21, 1998</b>          Date       </td> </tr> </table>			<b>Peter L. Michaelson</b> Name of Person Signing	 Signature	<b>August 21, 1998</b> Date
<b>Peter L. Michaelson</b> Name of Person Signing	 Signature	<b>August 21, 1998</b> Date			
Total number of pages comprising cover sheet plus assignment: <b>4</b>					
OMB No. 0651-0011(exp.4/94)  Mail documents to be recorded with required cover sheet information to:  <p style="text-align: center;"><b>Commissioner of Patents and Trademarks</b>  <b>Box Assignments</b>  <b>Washington, D.C. 20231</b></p>					
Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time to reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.					

ASSIGNMENT

WHEREAS, we, John R. DOUCEUR, Yoram BERNET and Ofer BAR (hereinafter referred to as ASSIGNORS), having post office address of 14711 NE 50<sup>th</sup> Pl., #J-2, Bellevue, WA 98007; 4515 1<sup>st</sup> Ave. NE, Seattle, WA 98105 and 8816 123<sup>rd</sup> Ave. SE, Newcastle, WA 98056, respectively, are the joint inventors of an invention entitled:

**A SYSTEM AND METHOD FOR RECYCLING  
NUMERICAL VALUES IN A COMPUTER SYSTEM**

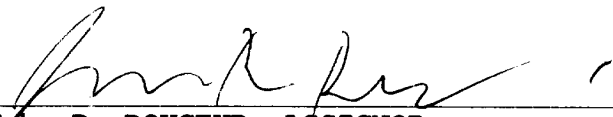
as described and claimed in the specification forming part of an application for United States letters patent filed June 23, 1998 and assigned Serial No. 09/103,089;

WHEREAS, Microsoft Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at One Microsoft Way, Redmond, WA 98052, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for goods and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof,

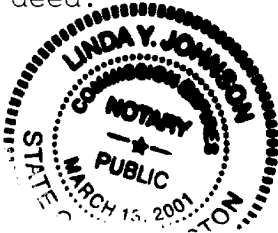
including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this  
11th day of August, 1998.

  
\_\_\_\_\_  
John R. DOUCEUR, ASSIGNOR

State of Washington :  
County of King : ss

On this 11th day of August, 1998, before me, a Notary Public in and for the State and County aforesaid, personally appeared John R. DOUCEUR, known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his/her free act and deed.



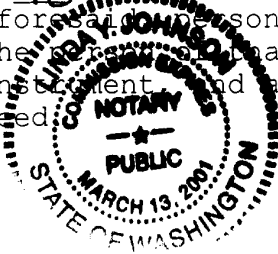
  
\_\_\_\_\_  
Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this  
11th day of August, 1998.

  
Yoram BERNET, ASSIGNOR


State of Washington :  
County of King : ss

On this 11th day of August, 1998, before me, a Notary Public in and for the State and County aforesaid, personally appeared Yoram BERNET, known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his/her free act and deed.



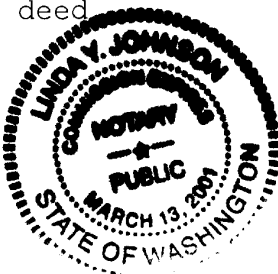
Linda Y Johnson  
Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this  
19th day of August, 1998.

  
Ofer BAR, ASSIGNOR

State of Washington :  
County of King : ss

On this 19th day of August, 1998, before me, a Notary Public in and for the State and County aforesaid, personally appeared Ofer BAR, known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his/her free act and deed.



Linda Y Johnson  
Notary Public