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09-08-1998

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Atty. Docket No.: MS-25/1(36432.1)

To the Honorable Commissioner of Patents and Trademarks, attached original documents or copy thereof.

100811486

1. Name of conveying party(ies):  
**Henrique S. MALVAR**  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
Name: **Microsoft Corporation**  
Address:  
Street Address: **One Microsoft Way**  
City: **Redmond** State: **WA** ZIP: **98052**  
Additional name(s) & address(es) attached?  Yes  No

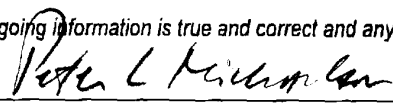
3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Date: **August 13, 1998**

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) **09/089,782** B. Patent No.(s)  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: **Peter L. Michaelson, Esq.**  
**MICHAELSON & WALLACE**  
**Customer No. 007265**  
Internal Address: **PO Box 8489**  
Street Address: **Parkway 109 Office Center**  
**328 Newman Springs Rd.**  
City: **Red Bank** State: **NJ** ZIP: **07701**

6. Total number of applications and patents involved: **1**  
7. Total fee (37 CFR 3.41).....\$ **40.00**  
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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*  
**Peter L. Michaelson**  **August 21, 1998**  
Name of Person Signing Signature Date  
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AUG 21 1998

ASSIGNMENT

WHEREAS, I, Henrique S. MALVAR (hereinafter referred to as ASSIGNOR), having post office address of 2302 233<sup>rd</sup> Avenue NE, Redmond, WA 98058 and am the sole inventor of an invention entitled:

**FAST SYSTEM AND METHOD FOR COMPUTING MODULATED TRANSFORMS**

as described and claimed in the specification forming part of an application for United States letters patent filed June 3, 1998 and assigned Serial No. 09/089,782;

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, ASSIGNOR hereby sells, assigns and transfers 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

