

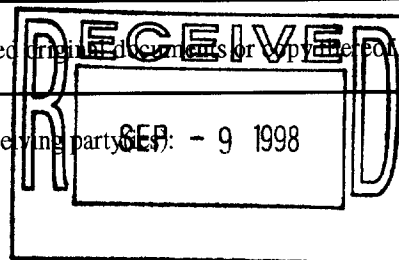
09-24-1998

2 SHEET



100837628

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy them for



1. Name of conveying party(ies):

Ashok Kuppusamy  
James N. Helfrich  
John David Griffin  
Joe K. Yap

2. Name and address of receiving party(ies):

Name: **Microsoft Corporation**

Address: **One Microsoft Way, Building 4**

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

City **Redmond** State **WA** ZIP **98052**

Execution Date: **August 27, 1998**

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4(a). Patent Application No.(s): **09/103,414**

4(b). Patent No.(s):

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

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **John E. Whitaker**  
Address: **JONES & ASKEW, LLP**  
**37th Floor, 191 Peachtree Street, N.E.**  
**Atlanta, Georgia 30303-1769**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41) enclosed: **\$ 40.00**

**DO NOT USE THIS SPACE**

8. 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.*

*I certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents & Trademarks, Washington, DC 20231, on the date given below.*

**John E. Whitaker, Reg. 42,222**  
Name of Person Signing

Signature

**September 4, 1998**  
Date

Attorney Docket No: **13237-2125 (MS 35843.1)** Total number of pages including cover sheet: **5**

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks  
Box Assignments  
Washington, DC 20231

09/22/1998 DNGUYEN 00000062 09103414

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**PATENT**  
**REEL: 9464 FRAME: 0154**

## ASSIGNMENT

WHEREAS, we, **Ashok Kuppusamy**, a citizen of the United States of America, having a post office address of 4011 145th Avenue, N.E., Bellevue, Washington 98007; **James N. Helfrich**, a citizen of the United States of America, having a post office address of 9111 156th Place, N.E., Redmond, Washington 98052; **John David Griffin**, a citizen of the United States of America, having a post office address of 607 E. Harrison Street, Apt. 101, Seattle, Washington 98102; and **Joe K. Yap**, a citizen of Malaysia, having a post office address of 1639 207th Avenue, N.E., Redmond, Washington 98053, hereinafter referred to as (ASSIGNORS), respectively, are the joint inventors of an invention entitled “**System and Method for Updating a Table of Contents in a Frameset**” as described and claimed in the specification, which was filed on June 24, 1998 as Application Serial No. 09/103,414;

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;

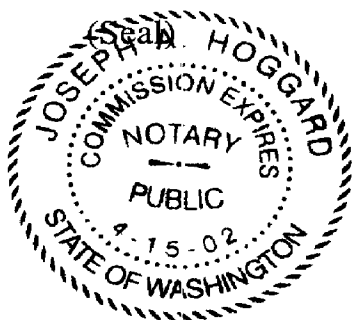
NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted 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

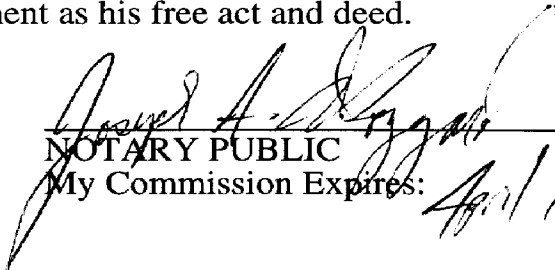
enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said 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.

  
ASHOK KUPPUSAMY

STATE OF WASHINGTON

Before me, a Notary Public in and for the State of Washington, on this 19 day of August, 1998, personally appeared **Ashok Kuppasamy**, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

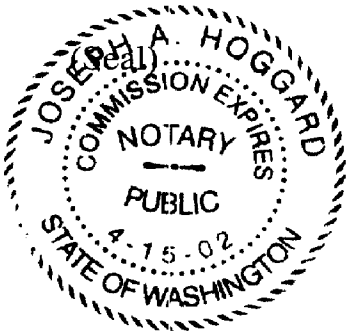


  
NOTARY PUBLIC  
My Commission Expires: April 15, 2002

James N. Helfrich  
JAMES N. HELFRICH

STATE OF WASHINGTON

Before me, a Notary Public in and for the State of Washington, on this 19 day of August, 1998, personally appeared **James N. Helfrich**, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.



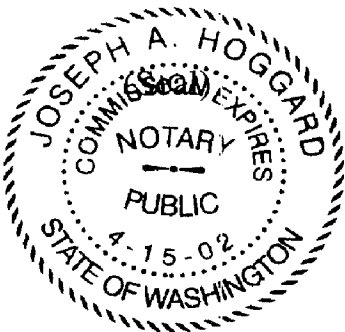
Joseph A. Hoggard  
NOTARY PUBLIC

My Commission Expires: April 15, 2002

John David Griffin  
JOHN DAVID GRIFFIN

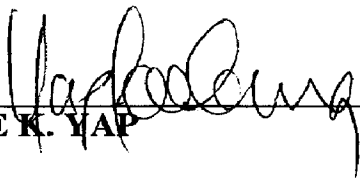
STATE OF WASHINGTON

Before me, a Notary Public in and for the State of Washington, on this 27 day of August, 1998, personally appeared **John David Griffin**, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.



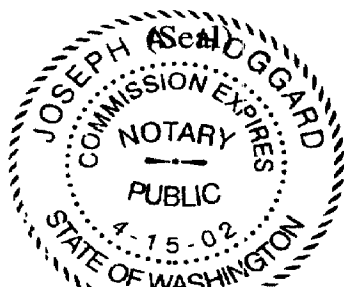
Joseph A. Hoggard  
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My Commission Expires: April 15, 2002

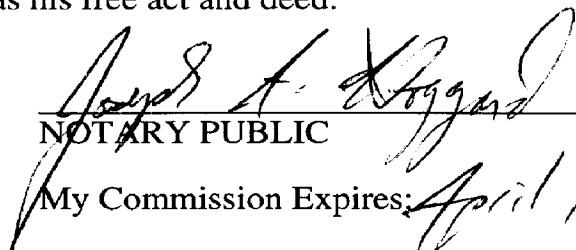
  
\_\_\_\_\_  
JOE K. YAP

STATE OF WASHINGTON

Before me, a Notary Public in and for the State of Washington, on this 27 day of August, 1998, personally appeared **Joe K. Yap**, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.



J&A Docket: 13237-2125  
MS Docket: 35843.1

  
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NOTARY PUBLIC  
My Commission Expires: April 15, 2002