

08-05-2003

9. 1-03



To The Honorable Commissioner of Patents

original documents or copy thereof.

1. Name of conveying party(ies):

102516508

Name(s) of receiving party(ies):

Fang Wang July 14, 2003
First Assignor Date of Execution

Name: Microsoft Corporation

Yee Man Bergstrom July 26, 2003
Second Assignor Date of Execution

Street Address: One Microsoft Way

Jason Carlson July 14, 2003
Third Assignor Date of Execution

City: Redmond

State Washington ZIP 98052

Fourth Assignor Date of Execution

Additional name(s) & address attached? YES NO

Fifth Assignor Date of Execution

3. Nature of Conveyance (check only one):

Sixth Assignor Date of Execution

- New Assignment
- License Agreement
- Change of Name
- Merger
- Security Agreement
- Other:

Additional name(s) of conveying party(ies) attached? YES NO

2003 AUG -1 AM 5:29
OPR/FINANCE

4. Identification of Application number(s), patent number(s) OR date of execution of application to which assignment refers:

Application Nos.: 10/404,746

Patent Nos.:

Date application was signed by the first named executing inventor

(Fill-in this date only if assignment is filed together with a new application)

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

Name: George J. Awad
WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia, Pennsylvania 19103-7301
215-568-3100

6. Total number of applications and patents involved: one

7. Total fee (37 CFR 3.41): \$40.00
 Enclosed
 Authorized to be charged to Deposit Account Number 23-3050

8. Please charge any deficiency or credit any overpayment to Deposit Account Number 23-3050

DO NOT USE THIS SPACE

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.

George J. Awad/Reg. No. 46,528

Name of Person Signing/Reg. No.

Signature

Date

Total number of pages including cover sheet, assignment document and additional pages attached thereto: 7

Mail documents to be recorded with required cover sheet information to:

08/04/2003 ECDGPER 00000146 10404746

01 FC:8021

40.00 DP

Mail Stop Assignment Recordation Services
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PATENT
REEL: 014338 FRAME: 0552

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number.....10/404,746
Filing Date March 31, 2003
InventorshipFang Wang et al.
Applicant Microsoft Corporation
Attorney's Docket No. MSFT-1524
Title: A RENDERING INDEPENDENT PERSISTENCE OF INFORMATION

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Fang Wang
618 168th Avenue, NE
Bellevue, Washington 98008
yMB 7/26/03
Yee Man ~~Wong~~ *Bergstrom*
555 Kirkland Way, #204
Kirkland, Washington 98033

Jason Carlson
12815 181st Avenue NE
Redmond, Washington 98052

Assignee:

Microsoft Corporation
Corporation in the State of Washington
One Microsoft Way
Redmond, WA 98052

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled as described and claimed in the specification forming part of an application for United States letters patent referenced above;

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, ASSIGNOR(S) hereby sell, assign and transfer unto 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 ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) 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.

Date

Fang Wang

7-26-2003

Date

Yee Man Wong Bergstrom

Yee Man Wong Bergstrom
YMB 7/26/03

Date

Jason Carlson

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To The Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Fang Wang First Assignor	July 14, 2003 Date of Execution
Yee Man Bergstrom Second Assignor	July 26, 2003 Date of Execution
Jason Carlson Third Assignor	July 14, 2003 Date of Execution
Fourth Assignor	Date of Execution
Fifth Assignor	Date of Execution
Sixth Assignor	Date of Execution

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Name: Microsoft Corporation

Street Address: One Microsoft Way

City: Redmond

State Washington ZIP 98052

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WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia, Pennsylvania 19103-7301
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Enclosed

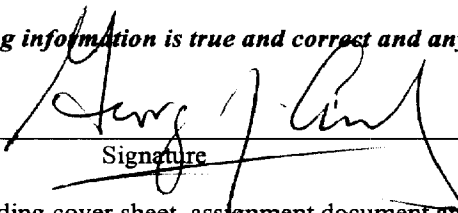
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George J. Awad/Reg. No. 46,528

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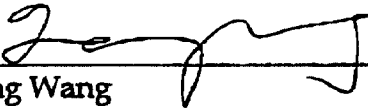
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WHEREAS, Microsoft Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at One Microsoft Way, Redmond, WA 98052, is desirous of acquiring the entire right, title and interest in and 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, ASSIGNOR(S) hereby sell, assign and transfer unto 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 ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) 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.

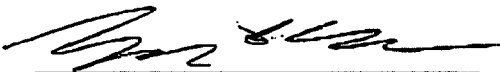
7/14/03
Date


Fang Wang

Date

Yee Man Wong

7-14-03
Date


Jason Carlson