

09-23-2003

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RECOR



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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

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

1. Name of conveying party(ies):

Lifeng Wang; Ke Deng;
Baining Guo; and Joshua William
BuckmanAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 09-11-03 and 09-12-03

2. Name and address of receiving party(ies)

Name: Microsoft Corporation

Internal Address: _____

Street Address: One Microsoft Way

City: Redmond State: WA Zip: 98052

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

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: 09-11-03 & 09-12-03

A. Patent Application No.(s)

B. Patent No.(s)

10/661055

Additional numbers attached? ☐ Yes ☒ No

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

Name: LYON & HARR, L.L.P.

Internal Address: Craig S. Fischer

Registration No.: 42,535

Street Address: 300 Esplanade Drive

Suite 800

City: Oxnard State: CA Zip: 93036

6. Total number of applications and patents involved: 1

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

- ☒ A Credit Card Payment Form (PTO-2038) for payment in the amount of \$ 40.00 is attached.
☐ Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

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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.

Craig S. Fischer

Name of Person Signing

Signature

September 13, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 10

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

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 2023122541 U.S. PTO
10/661055

09/13/03

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PATENT
REEL: 014502 FRAME: 0338

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventorship WANG et al.
 Applicant Microsoft Corporation
 Attorney's Docket No. MCS-041-03
 MS Docket No 304844.01
 Title: OPTIMIZED FIXED-POINT MATHEMATICAL LIBRARY AND
 GRAPHICS FUNCTIONS FOR A SOFTWARE-IMPLEMENTED GRAPHICS
 RENDERING SYSTEM AND METHOD USING A NORMALIZED
 HOMOGENOUS COORDINATE SYSTEM

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Lifeng Wang
 No. 508, Building #1
 DanGui, City Garden of Wanke
 Shunyi District, Beijing 101300
 People's Republic of China

Ke Deng
 1-8-503 Luo zhuang xi li
 Zhichun Road Haidian District, Beijing 100080
 People's Republic of China

Baining Guo
 #5361 Capital Paradise
 Shunyi District, Beijing 101300
 People's Republic of China

Joshua William Buckman
15957 NE 83rd Street
Redmond, WA 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 "OPTIMIZED FIXED-POINT MATHEMATICAL LIBRARY AND GRAPHICS FUNCTIONS FOR A SOFTWARE-IMPLEMENTED GRAPHICS RENDERING SYSTEM AND METHOD USING A NORMALIZED HOMOGENOUS COORDINATE SYSTEM," 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.

9/11/2003

Date

Lifeng Wang

Lifeng Wang

9/11/2003

Date

Ke Deng

Ke Deng

9/11/2003

Date

Baining Guo

Baining Guo

Date

Joshua William Buckman

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventorship.....WANG et al.
 Applicant.....Microsoft Corporation
 Attorney's Docket No.MCS-041-03
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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

Lifeng Wang

Date

Ke Deng

Date

Baining Guo

9/12/2003

Date

Joshua William Buckman

Joshua William Buckman