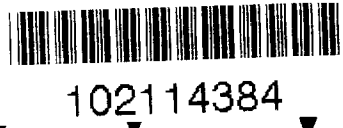


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1. Name of conveying party(ies): Yu-Rong Wang, You-Shun Liu, Zhi-Guang Zhou, Shan Xu. Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies) Name: Microsoft Corporation Internal Address: Street Address: One Microsoft Way City: Redmond State: WA Zip: 98052-639 Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other Execution Date: 05/14/2002

4. Application number(s) or patent number(s): 10/154770 If this document is being filed together with a new application, the execution date of the application is: 05/14/2002 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? Yes No

6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41).....\$ 40.00 Enclosed Authorized to be charged to deposit account

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Brian G. Hart Internal Address: Lee & Hayes, PLLC Street Address: 421 West Riverside Avenue Suite 500 City: Spokane State: WA Zip: 99201

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventorship Wang et al.
Applicant Microsoft Corporation
Attorney's Docket No. MS1-1163US
MSDocket No. 300073.1
Title: Anti-Aliasing Characters for Improved Display on an Interlaced Television Monitor

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

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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 "Anti-Aliasing Characters for Improved Display on an Interlaced Television Monitor," 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 therefore 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 therefore.

5/14/2002

Date

Yu-Rong Wang

Yu-Rong Wang

5/14/2002

Date

You-Shun Liu

You-Shun Liu

5/14/2002

Date

周世光

Zhi-Guang Zhou

5/14/2002

Date

徐山

Shan Xu