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OMB No. 0651-0027 (exp. 6/30/2005)

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

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Liu, Zicheng
Malvar, Henrique S.
Zhang, Zhengyou

2. Name and address of receiving party(ies)

Name: Microsoft Corporation

Internal Address: _____

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

3. Nature of conveyance:

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- Security Agreement Change of Name

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Street Address: One Microsoft Way

City: Redmond State: CA Zip: 98052

Execution Date: May 16, 2003

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: _____

A. Patent Application No.(s)

10/440,643

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Lyon & Harr, LLP

Internal Address: _____

Street Address: 300 Esplanade Drive, Suite 800

City: Oxnard State: CA Zip: 93023

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41).....\$ 40

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Richard T. Lyon, Reg. No. 37,385

Name of Person Signing

[Signature]
Signature

January 5, 2004

Date

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1. Name of conveying party(ies):

Liu, Zicheng
Malvar, Henrique S.
Zhang, Zhengyou

5.19.03

2. Name and address of receiving party(ies)

Name: Microsoft Corporation

Internal Address: _____

Patenting Group Docketing Department

Street Address: One Microsoft Way

City: Redmond State: WA Zip: 98052

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

3. Nature of conveyance:

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- Security Agreement Change of Name
- Other _____

Execution Date: 5/16/03

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: 5/16/03

A. Patent Application No.(s) 10440643

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Lyon & Harr, LLP

Internal Address: Attn: Katrina A. Lyon

EFLORLS 00000057 10440643

40.00 OP

Street Address: 300 Esplanade Drive

Suite 800

City: Oxnard State: Ca Zip: 93036

6. Total number of applications and patents involved: 1

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Katrina A. Lyon, Reg No. 42,821

Name of Person Signing

Signature

5/19/03
Date

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Filing Date Executed Concurrently Herewith
Inventorship Liu et al.
Applicant Microsoft Corporation
Attorney's Docket No. MCS-017-03
MS Docket No. 302959.1
Title: A SYSTEM AND METHOD FOR INK OR HANDWRITING COMPRESSION

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Zicheng Liu
14743 SE 63rd Street
Bellevue, WA 98006

Henrique S. Malvar
2302 233rd Avenue NE
Sammamish, WA 98074

Zhengyou Zhang
10090 177th Ave NE
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 "A SYSTEM AND METHOD FOR INK OR HANDWRITING COMPRESSION," 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.

5/16/2003
Date

Zicheng Li
Zicheng Liu

5/16/2003
Date

H. S. Malvar
Henrique S. Malvar

5/16/2003
Date

Zhengyou Zhang
Zhengyou Zhang