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U.S. Patent and Trademark Office

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

1. Name of conveying party(ies):

Zhang, Zhengyou
Zhou, Hanning

2-17-04

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:



Assignment



Merger



Security Agreement



Change of Name



Other _____

Street Address: One Microsoft Way

City: Redmond State: WA Zip: 98052

Execution Date: 2/13/04 and 2/15/30/03

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

4. Application number(s) or patent number(s):

10780209

If this document is being filed together with a new application, the execution date of the application is: 2/13/04

A. Patent Application No.(s)

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

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



Enclosed



Authorized to be charged to deposit account

8. Deposit account number:

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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.

Katrina A. Lyon, Reg No. 42,821

Name of Person Signing

Signature

2/17/2004

Date

Total number of pages including cover sheet, attachments, and documents: 5

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Washington, D.C. 20231

02/23/2004 SSITHIB1 00000079 10780209

04 FC:B021

40.00 DP

PATENT
REEL: 015002 FRAME: 0462

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventorship..... ZHANG, Zhengyou, et al.
Applicant..... Microsoft Corporation
Attorney's Docket No. MCS-069-03 (306980.01)
Title: **A SYSTEM AND METHOD FOR VISUAL ECHO CANCELLATION IN A
PROJECTOR-CAMERA-WHITEBOARD SYSTEM**

PATENT ASSIGNMENT**PARTIES TO THE ASSIGNMENT****Assignor(s):**

Zhengyou Zhang
10090 177th Ave NE
Redmond, WA 98052

Hanning Zhou
1003 W. Clark Street, Apt. 7
Urbana, IL 61801

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 VISUAL ECHO CANCELLATION IN A PROJECTOR-
CAMERA-WHITEBOARD 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.

2/13/2004

Date _____



Zhengyou Zhang

Date _____

Hanning Zhou

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventorship.....ZHANG, Zhengyou, et al.
Applicant..... Microsoft Corporation
Attorney's Docket No. MCS-069-03 (306980.01)
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PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Zhengyou Zhang
10090 177th Ave NE
Redmond, WA 98052

Hanning Zhou
1003 W. Clark Street, Apt. 7
Urbana, IL 61801

Assignee:

Microsoft Corporation
Corporation in the State of Washington
One Microsoft Way
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WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled " **A SYSTEM AND METHOD FOR VISUAL ECHO CANCELLATION IN A PROJECTOR-CAMERA-WHITEBOARD 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

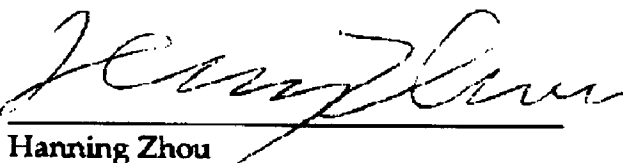
and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

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.

Date

2/15/04
Date

Zhengyou Zhang



Hanning Zhou