

05-11-2001

U.S. DEPARTMENT OF COMMERCE  
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 Part(ies):

Qian Zhang  
Wenwu Zhu  
Y-Qin Zhang  
Fan YangAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

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

Execution Date: 3/27/01; 4/16/01

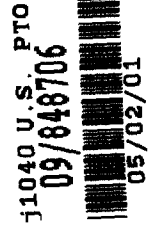
## 2. Name and address of receiving party(ies):

Name: Microsoft Corporation

Internal Address:

Street Address: One Microsoft Way

City: Redmond State: WA Zip: 98052

Additional names(s) & address(es) attached: ☐ Yes ☒ No

09848706

## 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: 3/27/01;  
4/16/01

A. Patent Application No.(s):

B. Patent No.(s)

Additional numbers attached: ☐ Yes ☒ NoAdditional numbers attached: ☐ Yes ☒ No

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

Name: Kasey C. Christie

Internal Address: Lee &amp; Hayes, PLLC

Street Address: 421 W. Riverside Ave  
Suite 500

City: Spokane State: WA Zip: 99201

6. Total number of applications and patents involved ..... 17. Total fee (37 CFR 3.41) ..... \$40.00☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

05/07/2001 EFLORES 00000063 09848706

04 FC:581

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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.

Kasey C. Christie

Name of Person Signing

Signature

5-2-01

Date

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

1       **IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

2   Inventorship .....Zhang et al.  
 3   Applicant..... Microsoft Corporation  
 4   Attorney's Docket No. .... MS1-716US  
 5   Title: An Architecture and Related Methods for Streaming Media Content Through  
       Heterogeneous Networks

6                       **PATENT ASSIGNMENT**

7       **PARTIES TO THE ASSIGNMENT**

8       Assignor(s):

9       Qian Zhang  
       The Coal Office of Hubei Province  
       FuJiaPo Road, Wuhan  
       Hubei, China 430070

10       Wenwu Zhu  
       11 Queenberry Way  
       Basking Ridge, NJ 07920

11       Ya-Qin Zhang  
       73 Saratoga Drive N.  
       West Windsor, NJ 08850

12       Fan Yang  
       State Key Laboratory of Novel Software Technology  
       Department of Computer Science  
       Nanjing University  
       Jiang Su, China 210093

13       Assignee:

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

15       **AGREEMENT**

16       WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention  
       entitled "An Architecture and Related Methods for Streaming Media Content

1 Through Heterogeneous Networks," as described and claimed in the specification  
2 forming part of an application for United States letters patent executed herewith;

3 WHEREAS, Microsoft Corporation (hereinafter referred to as ASSIGNEE),  
4 a corporation of the State of Washington having a place of business at One  
5 Microsoft Way, Redmond, WA 98052, is desirous of acquiring the entire right,  
6 title and interest in and to the invention and in and to any letters patent that may be  
7 granted therefor in the United States and in any and all foreign countries;

8 NOW, THEREFORE, in exchange for good and valuable consideration, the  
9 receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and  
10 transfer unto ASSIGNEE, the entire right, title and interest in and to said invention,  
11 said application and any and all letters patent which may be granted for said  
12 invention in the United States of America and its territorial possessions and in any  
13 and all foreign countries, and in any and all divisions, reissues and continuations  
14 thereof, including the right to file foreign applications directly in the name of  
15 ASSIGNEE and to claim priority rights deriving from said United States  
16 application to which said foreign applications are entitled by virtue of international  
17 convention, treaty or otherwise, said invention, application and all letters patent on  
18 said invention to be held and enjoyed by ASSIGNEE and its successors and  
19 assigns for their use and benefit and of their successors and assigns as fully and  
20 entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this  
21 assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize  
22 and request the Commissioner of Patents and Trademarks to issue all letters patent  
23 on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments  
24 and documents required for the making and prosecution of applications for United  
25 States and foreign letters patent on said invention, for litigation regarding said

1 letters patent, or for the purpose of protecting title to said invention or letters  
2 patent therefor.

3  
4  
5 \* \* \* \* \*

6 March 27, 2001 Qian Zhang  
7 Date Qian Zhang

8  
9 Signature of Wengling Li  
10 Witness

11 \* \* \* \* \*

12 March 27, 2001 Wenwu Zhu  
13 Date Wenwu Zhu

14  
15 Signature of Wengling Li  
16 Witness

17 \* \* \* \* \*

18 April 16, 2001 Ya-Qin Zhang  
19 Date Ya-Qin Zhang

20  
21 Signature of Wenwu Zhu  
22 Witness

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April 19, 2007      Fan Yang  
Date                      Fan Yang

Signature of      Jie Han  
Witness