

Form PTO-1595 (Rev. 03/01)

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

OMB No. 0651-0027 (exp. 5/31/2002)



Tab settings

To the Honorable Commissioner of Patents

102498190

original documents or copy thereof.

1. Name of conveying party(ies):

Xian-Sheng Hua  
Lie Lu  
Hong-Jiang Zhang

6-30-03

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) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date: 06/25/2003, 06/27/2003

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: 06/25/2003

A. Patent Application No.(s)

10610105

B. Patent No.(s)

06/27/2003

Additional numbers attached?  Yes  No

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

Name: Thomas A. Jolly, Reg. No. 39,241

Internal Address: Lee & Hayes, PLLC

Street Address: 421 West Riverside Avenue

Suite 500

City: Spokane State: WA Zip: 99201

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

8. Deposit account number: 12-0769

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

07/15/2003 LINDSEY 00000000 120769 10610105  
01 FC:0021 40.00 BA

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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.

Thomas A. Jolly, Reg. No. 39,241

Name of Person Signing

*Thomas A. Jolly*  
Signature

6/30/2003  
Date

Total number of pages including cover sheet, attachments, and documents: 7

Mail documents to be recorded with required cover sheet information to:  
Mail Stop Assignment Recordation Services  
Alexandria, VA 22313-1450

Attorney Docket No. MS1-1529US  
MS Docket No. 301780.1  
Serial No. (if known)

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

Serial Number.....  
Filing Date.....  
Inventorship..... Hua et al.  
Applicant..... Microsoft Corporation  
Attorney's Docket No. .... MS1-1529US  
MSDocket No..... 301780.1  
Title: Content-Based Dynamic Photo-to-Video Methods and Apparatuses

**PATENT ASSIGNMENT**

**PARTIES TO THE ASSIGNMENT**

Assignor(s):

Xian-Sheng Hua  
5F, Beijing Sigma Center No. 49, Zhichun Road, Haidian District  
Beijing, P.R. China 100080

Lie Lu  
5F, Beijing Sigma Center, No. 49, Zhichun Road, Haidian District  
Beijing, 100080

Hong-Jiang Zhang  
Jingshun Road, Chaoyang District  
Beijing, 100015

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 "Content-Based Dynamic Photo-to-Video Methods and Apparatuses," as described and claimed in the specification forming part of an application for United States letters patent referenced above;

**EV251221871**

Attorney Docket No. MS1-1529US  
MS Docket No. 301780.1  
Serial No. (if known) \_\_\_\_\_

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.

03/06/27  
Date

Xian-Sheng Hua  
Xian-Sheng Hua

03/6/27  
Date

Lie Lu  
Lie Lu

Attorney Docket No. MS1-1529US  
MS Docket No. 301780.1  
Serial No. (if known) \_\_\_\_\_

\_\_\_\_\_  
Date

\_\_\_\_\_  
Hong-Jiang Zhang

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

17538 U.S. PTO  
10/610105  
06/30/03

Serial Number.....  
Filing Date.....  
Inventorship.....Hua et al.  
Applicant.....Microsoft Corporation  
Attorney's Docket No. ....MS1-1529US  
MSDocket No.....301780.1  
Title: Content-Based Dynamic Photo-to-Video Methods and Apparatuses

**PATENT ASSIGNMENT**

**PARTIES TO THE ASSIGNMENT**

**Assignor(s):**

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5F, Beijing Sigma Center No. 49, Zhichun Road, Haidian District  
Beijing, P.R. China 100080

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5F, Beijing Sigma Center, No. 49, Zhichun Road, Haidian District  
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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


\_\_\_\_\_  
Xian-Sheng Hua

\_\_\_\_\_  
Date

\_\_\_\_\_  
Lie Lu

Attorney Docket No. MS1-1529US  
MS Docket No. 301780.1  
Serial No. (if known) \_\_\_\_\_

June 25, 2003  
Date

  
\_\_\_\_\_  
Hong Jiang Zhang