Form PTO-1595

U.S. DEPARTMENT OF COMMERCE

(Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002) 1019069	U.S. Patent and Trademark Office	
Tab settings	700 , , ,	
To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.	
Name of conveying party(ies):	Name and address of receiving party(ies)	
Yudong Yang Hong-Jiang Zhang 11 - 26 - 0	Name: Microsoft Corporation	
, , , , , , , , , , , , , , , , , , ,	Internal Address:	
Additional name(s) of conveying party(les) attached? Yes No		
3. Nature of conveyance:		
🖾 Assignment 🖵 Merger	Street Address: One Microsoft Way	
Security Agreement		
Other		
	City: Redmond State: WA Zip: 98052	
Execution Date: 11/14/01; 11/16/01	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 appli	cation, the execution date of the application is: 11/14/01;	
A. Patent Application No.(s)	B. Patent No.(s)	
09/995499		
Additional numbers attached?		
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1	
Name:Lance R. Sadler	7. Total fee (37 CFR 3.41)\$_40.00	
	☑ Enclosed	
Internal Address:Lee & Hayes, PLLC	☐ Authorized to be charged to deposit account	
	Authorized to be energy	
	8. Deposit account number:	
	8. Deposit account number.	
Street Address: 421 West Riverside Avenue		
Suite 500		
City: Spokane State: WA Zip: 99201	(Attach duplicate copy of this page if paying by deposit account)	
	E TUIS SPACE	
DO NOT USE THIS SPACE		
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy.		
To the best of my knowledge and belief, the long and belief.		
Lance R. Sadler	Sonatule Date	
Name of Person Signing	over sheet, attachments, and documents:	
Name of Person Signing Total number of pages including cover sheet, attachments, and documents: Total number of pages including cover sheet, attachments, and documents: That THON 0000003 09995499 Mail documents to be recorded with required cover sheet information to: Mail documents & Trademarks, Box Assignments		

Washington, D.C. 20231

40.00 OP 04 FC:581

> **PATENT REEL: 012330 FRAME: 0536**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventorship	Yang et al.
Applicant	
Attorney's Docket No	
Title: Mothods and Systems for Adaptive Delivery of N	

Methods and Systems for Adaptive Delivery of Multimedia Contents

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

<u>Assignor(s):</u>

Yudong Yang 6-401, No. 8, Bei Sha Tan Datun Road, Chaoyang District Beijing, 100101 China

Hong-Jiang Zhang

#701 Capital Paradise Shun Yi District
Beijing, 101300 China

Unt 9, Beijing Priviera, No. 1 Xing Jiang Beilu Tingshun Road, Chao Yang District, Benjig, 100015 Dropto's Republic of China

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 "Methods and Systems for Adaptive Delivery of Multimedia Contents," 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 ASSIGNOR(S) agree to execute all instruments and documents invention to ASSIGNEE. 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.

Page 2 of 3

MOV. 16. 200	Yudong Yang
Date	rudojag rang
Nisco par 1881	
Date	Hong-Jiang Zhang

Page 3 of 3