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Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002	ET U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
Tab settings ⇒ ⇒ ▼ 10281345	56 <u> </u>
To the Honorable Commission or ratents and Trademarks	s: Please record the attached original documents or copy thereof.
1. Name of conveying party(ies): Chong Luo Jiang Li Shipeng Li	2. Name and address of receiving party(ies) Name: Microsoft Corporation Internal Address:
Additional name(s) of conveying party(ies) attached? 🖵 Yes 🎑 No	75.
3. Nature of conveyance:	
☐ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name	Street Address: One Microsoft Way
☐ Other	
- Cirioi	City: Redmond State: WA Zip: 98052-6399
Execution Date: 8/3/04	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 app	olication, the execution date of the application is: 8/3/04
A. Patent Application No.(s)	B. Patent No.(s)
.,)
Additional numbers a	attached? ☐ Yes ☐ No
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
Name: David A. Morasch, Reg. No. 42,905	7. Total fee (37 CFR 3.41)\$ 40.00
Internal Address: Lee & Hayes, PLLC	☐ Enclosed
	Authorized to be charged to deposit account
Street Address: 421 West Riverside Avenue	8. Deposit account number: 12-0769
Suite 500	
City: Spokane State: WA Zip: 99201	(Attach duplicate copy of this page if paying by deposit account)
DO NOT US	E THIS SPACE
9. Statement and signature.	
To the best of my knowledge and belief, the foregoing is a true copy of the original document.	information is true and correct and any attached copy
David A. Morasch, Reg. No. 42,905	Aus Marsey Aug 5 2001
Name of Person Signing	Signature Date
Total number of pages including co-	ver sheet, attachments, and documents: [3

Mail documents to be recorded with required cover sheet information to:

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01/FC:8021 40.00 DA

Attorney Docket No	MS1-2046U5
MS Docket No.	308496.01
Serial No. (if known)	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number Filing Date	
Inventorship	Luo et al.
Applicant	Microsoft Corporation
Attorney's Docket No.	MS1-2046US
MSDocket No	308496.01
Title: Transmission Optimization for Application-Level Multication	ast

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Chong Luo Room 502, No. 28, Lanc 2965, ChangZhong Road ShangI-Iai, China 200435

Jiang Li 14-1-602, Long Xi Yuan 5 Qu, Hui Long Guan Beijing, China 102208

Shipeng Li 9634 222nd CT NE Redmond, WA 98053

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 "Transmission Optimization for Application-Level Multicast," 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

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PATENT

REEL: 015666 FRAME: 0959

Attorney Docket No	MS1-2046US
MS Docket No	308496.01
Serial No. (if known)	

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(5) 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 ASSICNOR(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.

フの4 / 8 / 7 Date

2004/8/3 Date

Ang 3, 2004

RECORDED: 08/05/2004

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