FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94) M&G- 50037,333US01

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2.) Zhe 3.) Jian 4.) Qia	nxin Liu eng Ni n Wang In Zhang nwu Zhu	Microsoft Corporation One Microsoft Way Redmond, Washington 98052
Additional name	e(s) of conveying party(ies) anached? Yes No	Additional name(s) & address(es) attached? Yes No
3. Nature ¢ ⊠ Ass	of conveyance: signment Merger curity Agreement Change of Name	Yes X No
Execution E 5.) 1/20/05	Date: 1.) 12/31/04; 2.) 01/06/05; 3.) 1/4/05; 4.) 1/4/05;	
4. Applicat	tion number(s) or patent number(s):	
If this do	ocument is being filed together with a new application, the	e execution date of the application is:
A. Patent A	pplication No.(s)	B. Patent No.(s)
10/955,5	578	• •
5. Name an	Additional numbers attach address of party to whom correspondence concerning nould be mailed:	6. Total number of applications and patents involved: 1
Name: Address:	Timothy P. Sullivan Merchant & Gould P.C. P.O. Box 2903 Minneapolis, MN 55402-0903	 7. Total fee (37 CFR 3.41): \$40 Enclosed Authorized to be charged to deposit account 8. Please charge any additional fees or credit any overpayments to our Deposit account number: 13-2725
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9. Statemen	it and signature:	
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Timothy P. S		January 24, 2005
Name of Per	son Signing Sig	gnature Date
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Public burde	nents to be recorded with required cover sheet information to: Mail Stop Assignment Re Director - U.S. Patent and P.O. Box 1 Alexandria, VA 2 en reporting for this sample cover sheet is estimated to warner sheet 10	Trademark Office 450 2313-1450
document ar Patent and T Reduction P	and gathering the data needed, and completing and reviewing the sample frademark Office, Office of information systems, PK2-1000C, Washington D.C. 20503.	(2313-1450) Initiates per document to be recorded, including time for reviewing the cover sheet. Send comments regarding this burden estimate to the U.S. (ton, D.C. 20231, and to the Office of Management and Budget, Paperwork

27488

PATENT TRADEMARK OFFICE

PATENT REEL: 015619 FRAME: 0242 MS Docket No. 308492.2 OC Docket No. 50637.333US01

PATENT ASSIGNMENT

("ASSIGNORS"), have invented subject material application entitled "METHOD AIT PACKET REORDER EMULATION TECHNIQUE will be filed without the hereby authorizes, and Merchant & Gould P.C., Washington, 98104, will 27488, to insert here in	requests, ASSIGNEE'S legal representatives, of 701 Fifth Avenue, Suite 4700, Seattle, no are associated with customer number in parenthesis this APPLICATION's U.S. Serial when known (U.S. Serial No.
was filed on Septembe	r 30, 2004 and was given U.S. Serial No.
10/955,578;	
is filed concurrently be	erewith;
Microsoft Corporation, a W	ashington Corporation, on behalf of itself and
its successors and assigns ("ASSIGNEE").	is entitled to, and is desirous of, acquiring the
entire and exclusive rights, title and inte	rest in the INVENTION and the APPLICATION
and all other applications and patents de	enyed therefor, such as tendency
	s, its territories, and all foreign countries
("APPLICATION DERIVATIVES");	sideration, the receipt of which is hereby
FOI GOOD AND VALUABLE CON	SSIGNORS hereby sells, assigns and transfers to
the ASSIGNEE, the entire and exclusive i	Ights, title and interest in the INVENTION and
the APPLICATION (and APPLICATION DE	RIVATIVES);
ASSIGNORS agrees to exec	rute all instruments and documents required for
the making and prosecution of the APPI	LICATION (and APPLICATION DERIVATIVES), for $_{\perp}$
litigation regarding letters patent derive	ed therefrom, and for the purpose of protecting:
and perfecting title to the APPLICATION	(and APPLICATION DERIVATIVES).
-2004. 12.51	2~~~1
DATE	Yunxin Liu
DATE	· · · · · · · · · · · · · · · · · · ·
DATE	Zheng Ni
	,
DATE	Jian Wang
DATE	31W. 44-1-13
DATE	Qian Zhang

TOTAL P.01

MS Docket No. 308492-2 QC Docket No. 50037.333U501

PATENT ASSIGNMENT

	FATGET BOSINGERED
WE Yunxin Liu, Zh	ieng Ni, Jian Wang, Qian Zhang, and Wenwu Zhu
"ASSIGNORS"), have invented su	bject matter ("INVENTION") disclosed and/or claimed in
a patent application entitled "Mi	ETHOD AND SYSTEM FOR NETWORK EMULATION USING
	ECHNIQUES" ("APPLICATION"), which:
	ithout this executed PATENT ASSIGNMENT. ASSIGNORS
	izes, and requests, ASSIGNEE'S legal representatives, of
	ould P.C., 701 Fifth Avenue, Suite 4700, Seattle,
	18104, who are associated with customer number
	ert here in parenthesis this APPLICATION's U.S. Serlai
	iling date, when known (U.S. Serial No
filed	
🔀 was filed on S	eptember 30, 2004 and was given U.S. Serial No.
10/955,578;	·
is filed concu	rrently herewith:
Microsoft Corpora	tion, a Washington Corporation; on behalf of itself and
its successors and assigns ("ASS	SIGNEE"), is entitled to, and is desirous of, acquiring the
	and interest in the INVENTION and the APPLICATION
	patents derived therefrom, such as continuing
	ted States, its territories, and all foreign countries
("APPLICATION DERIVATIVES");	the contract in the contract with the contract of
	able consideration, the receipt of which is hereby
	RS, the ASSIGNORS hereby sells, assigns and transfers to
	clusive rights, title and interest in the INVENTION and
the APPLICATION (and APPLICA)	
_	s to execute all instruments and documents required for
- -	the APPLICATION (and APPLICATION DERIVATIVES), for
	nt derived therefrom, and for the purpose of protecting
and perfecting title to the APPLI	ICATION (and APPLICATION DERIVATIVES).
DATE	Yunxin Liu
Jun. 6, 2045	Zhenz N.T
DATE	Zheng Ni
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DATE	
DAIL	Jian Wang
DATE	Qian Zhang

TOTAL P. MI

38

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MS Docket No. 308492.2 OC Docket No. 50037.333US01

PATENT ASSIGNMENT

WE Yunxin Liu. Zhe	ng Ni, Jian Wang, Qian Zhang, and Wenwu Zhu				
("ASSIGNORS"), have invented sub-	ject matter ("INVENTION") disclosed and/or claimed in				
a patent application entitled "MET	HOD AND SYSTEM FOR A PROPERTY AND AND SYSTEM FOR A PROPERTY OF THE PROPERTY OF				
PACKET REORDER EMILIATION TO	HOD AND SYSTEM FOR NETWORK EMULATION USING CHNIQUES" ("APPLICATION"), which:				
will be filed with	CHINIQUES (APPLICATION"), which:				
be	nout this executed PATENT ASSIGNMENT. ASSIGNORS				
nereby authoriz	es, and requests, ASSIGNEE'S legal representatives, of				
Merchant & Gou	ld P.C., 701 Fifth Avenue, Suite 4700, Seattle,				
	104, who are associated with customer number				
27488, to insert	here in parenthesis this APPLICATION's U.S. Serial				
Number and filir	ng date, when known (U.S. Serial No,				
filed					
🔀 was filed on Sep	etember 30, 2004 and was given U.S. Serial No.				
10/955,578;	server with given out bend no.				
is filed concurre	ntly herewith				
	on, a Washington Corporation, on behalf of itself and				
its successors and assigns ("ASSIC	NEE"), is entitled to, and is desirous of, acquiring the				
entire and evalueive rights title as	inter), is enucied to, and is desirous of, acquiring the				
and all other applications and	nd Interest in the INVENTION and the APPLICATION				
and an other applications and part	ents derived therefrom, such as continuing				
applications, in and for the United States, its territories, and all foreign countries					
("APPLICATION DERIVATIVES");					
For good and valuab	le consideration, the receipt of which is hereby				
acknowledged by the ASSIGNORS,	the ASSIGNORS hereby sells, assigns and transfers to				
the ASSIGNEE, the entire and exclu	isive rights, title and interest in the INVENTION and				
the APPLICATION (and APPLICATIO	N DERIVATIVES):				
	execute all instruments and documents required for				
the making and prosecution of the	APPLICATION (and APPLICATION DERIVATIVES), for				
itigation regarding letters patent	derived therefrom, and for the purpose of protecting				
and perfecting title to the APRIJCA	TION (and Application perputation				
and particular to the Applica	TION (and APPLICATION DERIVATIVES).				
DATE	Yunxin Liu				
	Tulixiis Liu				
DATE	Zheng Ni				
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2005.1.4	# 5notes				
PATE	Jian Wang				
	Same Expensión				
<u> </u>					
PATE	Qian Zhang				
	-				

MS Docket No. 308492,? OC Docket No. 50037,333US01

PATENT ASSIGNMENT

hereby authorizes, Merchant & Gould Washington, 9810 27488, to insert h Number and filing filed	It matter ("INVENTION") ID AND SYSTEM FOR NI INIQUES" ("APPLICATION ut this executed PATEN , and requests, ASSIGNI P.C., 701 Fifth Avenue, 14, who are associated v acre in parenthesis this idate, when known (U.S.)	disclosed and/or claimed in TWORK EMULATION USING I'), which: I ASSIGNMENT. ASSIGNORS E'S legal representatives, of Suite 4700, Seattle, with customer number APPLICATION'S U.S. Serial Serial No.	
🔀 was filed on Septe	ember 30, 2004 and wa	s given U.S. Serial No.	
10/955,578:			
its successors and assigns ("ASSIGN entire and exclusive rights, title and and all other applications and pater applications, in and for the United S ("APPLICATION DERIVATIVES"); For good and valuable acknowledged by the ASSIGNORS, the ASSIGNEE, the entire and exclusive APPLICATION (and APPLICATION)	, a Washington Corpora IEE"), is entitled to, and if interest in the INVENT its derived therefrom, s states, its territories, and e consideration, the rec he ASSIGNORS hereby s sive rights, title and inte N DERIVATIVES); execute all instruments APPLICATION (and APP) lerived therefrom, and the	ION and the APPLICATION such as continuing at all foreign countries eight of which is hereby sells, assigns and transfers to erest in the INVENTION and and documents required for the purpose of protecting	j'
	Yunxin Liu		
DATE	ppixiii Gu		
DATE	Zheng NI		
DATE	Jian Wang	_1	
Jan. 4. 2005	<u> Rian</u>	-shazag	
DATE	Qian 7hang	Q	

TOTAL P.01

PATENT REEL: 015619 FRAME: 0246

MS Docket No. 308492.2 OC Docket No. 50037_333US01

PATENT ASSIGNMENT

	Zheng Ni, Jian Wang, Qian Zhang, and Wenwu Zhu
("ASSIGNORS"), have invented	subject matter ("INVENTION") disclosed and/or claimed in
a patent application entitled '	"METHOD AND SYSTEM FOR NETWORK EMULATION USING
PACKET REORDER EMULATION	N TECHNIQUES" ("APPLICATION"), which;
☐ will be filed	without this executed PATENT ASSIGNMENT. ASSIGNORS
	norizes, and requests, ASSIGNEE'S legal representatives, of
	Gould P.C., 701 Fifth Avenue, Suite 4700, Seattle,
	, 98104, who are associated with customer number
	nsert here in parenthesis this APPLICATION's U.S. Serial
	d filing date, when known (U.S. Serial No.
filed_):
	n September 30, 2004 and was given U.S. Serial No.
10/955,578;	Tacprember 50, 2004 and was given 0.3. Senai No.
	currently herewith;
	ration, a Washington Corporation, on behalf of itself and
	ASSIGNEE"), is entitled to, and is desirous of, acquiring the
entire and exclusive rights, title and interest in the INVENTION and the APPLICATION and all other applications and patents derived therefrom, such as continuing	
applications, in and for the th ("APPLICATION DERIVATIVES")	nited States, its territories, and all foreign countries
•	•
	duable consideration, the receipt of which is hereby
	ORS, the ASSIGNORS hereby sells, assigns and transfers to
	exclusive rights, title and interest in the invention and
the APPLICATION (and APPLIC	
	es to execute all instruments and documents required for
	of the APPLICATION (and APPLICATION DERIVATIVES), for
	tent derived therefrom, and for the purpose of protecting
and perfecting title to the APF	LICATION (and APPLICATION DERIVATIVES).
	•
DATE	Variable.
PAIL	Yunxin liu
DATE	Zheng Ni
-	
DATE	Jian Wang
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DATE	Qian Zhang

MS Docket No. 308492.2 (OC Docket No. 50037.333US0)

Jan 20, 2005

Page 2 of 2

PATENT REEL: 015619 FRAME: 0248 -05

Merchant & Gould

An Intellectual Property Law Firm

3200 IDS Center 80 South Eighth Street Minneapolis, Minnesota 55402-2215 USA TEL 612.332,5300 FAX 612.332,9081 www.merchantgould.com

A Professional Corporation

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January 24, 2005

Commissioner for Patents TO:

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FROM-MERCHANT & GOULD P.C.

P.O. Box 1450

Alexandria, VA 22313-1450

FROM:

Timothy P. Sullivan

OUR REF:

50037.333US01

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Title of Document Transmitted:

Transmittal (+copy); Form PTO-1595;

Assignment: Credit Card Payment Form

Applicant:

Yunxin Liu et al.

Serial No.:

10/955,578

Filed:

<u>September 30, 2004</u>

Group Art Unit: Not yet assigned

Our Ref. No.:

50037.333US01

Confirmation No. 6053

Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers, if appropriate.

Name: Timothy P. Su

Reg. No.: <u>4</u>7,981

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on the date shown below.

Tracy Gutscher

GEN033.DOT

RECORDED: 01/24/2005

PATENT

REEL: 015619 FRAME: 0249