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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Zicheng Liu	01/15/2008
Mingxuan Sun	01/15/2008
Jingyu Qiu	01/16/2008
Zhengyou Zhang	01/14/2008
Michael J. Sinclair	01/15/2008

RECEIVING PARTY DATA

Name:	Microsoft Corporation
Street Address:	One Microsoft Way
City:	Redmond
State/Country:	WASHINGTON
Postal Code:	98052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12017047

CORRESPONDENCE DATA

Fax Number: (425)936-7329

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 425-707-2290

Email: dbouton@microsoft.com

Correspondent Name: Dianne Bouton
Address Line 1: One Microsoft Way

Address Line 4: Redmond, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	322345.01
NAME OF SUBMITTER:	Steven Spellman

PATENT REEL: 020529 FRAME: 0819

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Total Attachments: 8 source=322345_01_Signed_Assignment Final#page1.tif source=322345_01_Signed_Assignment Final#page2.tif source=322345_01_Signed_Assignment Final#page3.tif source=322345_01_Signed_Assignment Final#page4.tif source=322345_01_Signed_Assignment Final#page5.tif source=322345_01_Signed_Assignment Final#page6.tif source=322345_01_Signed_Assignment Final#page7.tif source=322345_01_Signed_Assignment Final#page8.tif

PATENT REEL: 020529 FRAME: 0820

Date

MS Docket No. 322345.01

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authorizes, and requests, ASS Corporate Affairs Departmen Redmond, Washington 98052 69316, to insert here in pare	uted PATENT ASSIGNMENT. ASSIGNOR hereby SIGNEE'S legal representatives, of the Law and t, Microsoft Corporation, One Microsoft Way, 2, who are associated with customer number on thesis (Application No. 12/017,047, filed 's Application No. and filing date, when
<u> </u>	was given Application No;
is filed concurrently herewith	
successors and assigns ("ASSIGNEE"), is entited and exclusive rights, title and interest in the applications and patents derived therefrom, such that the states, its territories, and all foreign of the States, its territories, and all foreign of the ASSIGNOR, the ASSIGNOR assigned, the entire and exclusive rights, title application (and APPLICATION DERIVATIVES ASSIGNOR agrees to execute all making and prosecution of the APPLICATION	ation, the receipt of which is hereby OR hereby sells, assigns and transfers to the e and interest in the INVENTION and the S); instruments and documents required for the (and APPLICATION DERIVATIVES), for litigation and for the purpose of protecting and perfecting
Date / _ / _ C	Zicheng Liu
01/15/2008	Mughten m
Date	Mingxuan Sun
Date	Jingyu Qiu

Zhengyou Zhang

MS Docket No. 322345.01

	PATENT ASSIGNMENT	
(Continued from page 1 to list additional inventors)		
		_
Date	Michael J. Sinclair	

MS Docket No. 322345.01

PATENT ASSIGNMENT

I/WE, Zicheng Liu, Mingxuan Sun, Jingyu Qiu, Zhengyou Zhang, and Michael J. Sinclair ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled " LIGHTING ARRAY CONTROL" ("APPLICATION"), which:

patent application chance	Elditing Alloci Collines (Miller Hold), Miller
authorizes Corporate Redmond, 69316, to i 01/21/2008 known;	without this executed PATENT ASSIGNMENT. ASSIGNOR hereby, and requests, ASSIGNEE'S legal representatives, of the Law and Affairs Department, Microsoft Corporation, One Microsoft Way, Washington 98052, who are associated with customer number insert here in parenthesis (Application No. 12/017,047, filed this APPLICATION's Application No. and filing date, when
☐ is filed con	currently herewith;
successors and assigns ("A and exclusive rights, title a applications and patents de United States, its territories For good and acknowledged by the ASSIG ASSIGNEE, the entire and example APPLICATION (and APPLICATION ag making and prosecution of regarding letters patent de	rporation, a Washington Corporation, on behalf of itself and its is is is sold its is entitled to, and is desirous of acquiring, the entire and interest in the INVENTION and the APPLICATION (and all other erived therefrom, such as continuing applications, in and for the s, and all foreign countries ("APPLICATION DERIVATIVES")); I valuable consideration, the receipt of which is hereby SNOR, the ASSIGNOR hereby sells, assigns and transfers to the exclusive rights, title and interest in the INVENTION and the ATION DERIVATIVES); I rees to execute all instruments and documents required for the fithe APPLICATION (and APPLICATION DERIVATIVES), for litigation erived therefrom, and for the purpose of protecting and perfecting and APPLICATION DERIVATIVES).
Date	Zicheng Liu
Date	Mingxuan Sun
Date	Jingyu Qiu
Date	Zhengyou Zhang

Page 1 of 2

MS Docket No. 322345.01

PATENT ASSIGNMENT

(Continued from page 1 to list additional inventors)

PATENT ASSIGNMENT

I/WE, Zicheng Liu, Mingxuan Sun, JingyuQiu, Zhengyou Zhang, and Michael J. Sinclai
("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a
patent application entitled " LIGHTING ARRAY CONTROL" ("APPLICATION"), which:

[X]	will be filed without this exec	uted PATENT ASSIGNMENT. ASSIGNOR hereby
	authorizes, and requests, ASS	SIGNEE'S legal representatives, of the Law and
	Corporate Affairs Departmen	t, Microsoft Corporation, One Microsoft Way,
	Redmond, Washington 98052	2, who are associated with customer number
		nthesis (Application No. $\frac{12/017,047}{}$, filed
	01/21/2008) this APPLICATION	l's Application No. and filing date, when
	known;	
	was filed on and	was given Application No;
	is filed concurrently herewith	;
M	licrosoft Corporation, a Washir	ngton Corporation, on behalf of itself and its
successors and	assigns ("ASSIGNEE"), is entitl	ed to, and is desirous of acquiring, the entire
and exclusive r	ights, title and interest in the	INVENTION and the APPLICATION (and all other
applications an	d patents derived therefrom, s	such as continuing applications, in and for the
Jnited States, i	ts territories, and all foreign c	ountries ("APPLICATION DERIVATIVES"));
F	or good and valuable consider	ation, the receipt of which is hereby
acknowledged	by the ASSIGNOR, the ASSIGNO	OR hereby sells, assigns and transfers to the
ASSIGNEE, the	entire and exclusive rights, titl	e and interest in the INVENTION and the
APPLICATION (and APPLICATION DERIVATIVES	S);
Α	SSIGNOR agrees to execute all	instruments and documents required for the
making and pro	osecution of the APPLICATION	(and APPLICATION DERIVATIVES), for litigation
regarding lette	rs patent derived therefrom, a	nd for the purpose of protecting and perfecting
title to the APP	LICATION (and APPLICATION D	DERIVATIVES).
Date		Zicheng Liu
Date		Mingxuan Sun
Date		 Jingyu Qiu
1/14/	200X_	
Date		Zhengyou Zhang

Page 1 of 2

PATENT ASSIGNMENT

(Co	(Continued from page 1 to list additional inventors)	
Date	 Michael J. Sinclair	

Date

MS Docket No. 322345.01

PATENT ASSIGNMENT		
1/WE, Zicheng Liu, Mingxuan Sun, Jingyu C ("ASSIGNOR"), have invented subject matter ("INV) patent application entitled " LIGHTING ARRAY CO	Qiu, Zhengyou Zhang, and Michael J. Sinclair /ENTION") disclosed and/or claimed in a ONTROL" ("APPLICATION"), which:	
authorizes, and requests, ASSIG Corporate Affairs Department, N Redmond, Washington 98052, v 69316, to insert here in parenth 01/21/2008 this APPLICATION's known:	NEE'S legal representatives, of the Law and Microsoft Corporation, One Microsoft Way, who are associated with customer number lesis (Application No. $\frac{12/017,047}{1}$, filed Application No. and filing date, when	
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successors and assigns ("ASSIGNEE"), is entitled and exclusive rights, title and interest in the INV applications and patents derived therefrom, successful to the states, its territories, and all foreign courses for good and valuable considerate acknowledged by the ASSIGNOR, the ASSIGNOR ASSIGNEE, the entire and exclusive rights, title	vention and the Application (and an other ch as continuing applications, in and for the intries ("APPLICATION DERIVATIVES")); ion, the receipt of which is hereby thereby sells, assigns and transfers to the and interest in the INVENTION and the instruments and documents required for the and APPLICATION DERIVATIVES), for litigation of for the purpose of protecting and perfecting	
Date	Zicheng Liu	
Date	Mingxuan Sun Jingyu Qiu	

Page 1 of 2

Zhengyou Zhang

<u>PATENT ASSIGNMENT</u> (Continued from page 1 to list additional inventors)

Date	Michael J. Sinclair