#### 502160559 12/12/2012

### PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
GERGELY KOTA	11/01/2012
TSU-CHUAN CHAO	11/05/2012
YONG WOO RHEE	11/01/2012
ABBOTT LOWELL	11/07/2012

#### **RECEIVING PARTY DATA**

Name:	MICROSOFT CORPORATION
Street Address:	ONE MICROSOFT WAY
Internal Address:	ATTN: LCA
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13671249

#### **CORRESPONDENCE DATA**

**Fax Number**: 2063426201

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

Phone: 206.342.6243

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Correspondent Name: Merchant & Gould (Microsoft Corporation)

Address Line 1: P.O. Box 2903

Address Line 4: Minneapolis, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	14917.2243US01
NAME OF SUBMITTER:	Michelle Crosslin

Total Attachments: 8

PATENT REEL: 029456 FRAME: 0309 OP \$40.00 136712

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PATENT REEL: 029456 FRAME: 0310

## PATENT ASSIGNMENT

I <u>Gergely Kota ("ASSIGNOR")</u> am the original inventor or an original joint inventor of an original joint inventor or an original joint inventor original joint in	
of subject matter ("INVENTION") disclosed and/or claimed in a patent application of the state of	
entitled "DYNAMIC LAYOUT OF CONTENT IN A GRID BASED APPLICAT	<u>ION</u>
("APPLICATION"), which:	
oxtimes will be filed. ASSIGNOR hereby authorizes, and requests,	
ASSIGNEE'S legal representatives, of the Law and Corporate Affairs	
Department, Microsoft Corporation, One Microsoft Way, Redmond,	
Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert	
here in parentheses (filed on November 7, 2012 and given	
Application No. <u>13/671,249</u> by the following Office	
USPTO by the following office by the following office	
Application No., filing date, and Office, when known;	
Application No., filling date, and office, when known,	
Use filed on and was given Application No.	
was filed on and was given Application No	
by the following Office	
"	
Microsoft Corporation, a Washington Corporation, on behalf of itself an	
successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring	, the
entire and exclusive rights, title and interest in the INVENTION and the APPLICA	TIOI
(and all other applications and patents derived therefrom, such as contin	uin
applications, in and for the United States, its territories, and all foreign coun	itrie
("APPLICATION DERIVATIVES"));	
ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LI	EGA
REPRESENTATIVES to insert the Application No., filing date, and Office into	
following table for any APPLICATION DERIVATIVES after they are known;	•
Application No. Filing Date Office	
Application No. Thing Date Office	

#### PATENT ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR's entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

Inventor's Signature		
Gergely Kota		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

## PATENT ASSIGNMENT

I <u>Tsu-Chuan Chao</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled " <u>DYNAMIC LAYOUT OF CONTENT IN A GRID BASED APPLICATION</u> " ("APPLICATION"), which:			
	ASSIGNEE'S legal Department, Mic Washington 9809 here in parentl Application No USPTO	ASSIGNOR hereby autrepresentatives, of the Larosoft Corporation, One Novembers (filed on Novembers) by) filing date, and Office, wh	aw and Corporate Affairs  Aicrosoft Way, Redmond,  RESENTATIVES), to insert  ber 7, 2012 and given  the following Office  this APPLICATION's
		and was given by the following Office ";	Application No
Microsoft Corporation, a Washington 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 interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));			
ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;			
Application N		Filing Date	Office

Docket No.: 14917.2243US01/337317.01

#### PATENT ASSIGNMENT

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For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR's entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

July L	Nov 5. 12
Inventor's Signature	Date
Tsu-Chuan Chao	
Printed Name in English	Printed Name in Native Language
	(if other than English)

## PATENT ASSIGNMENT

I <u>Yong Woo Rhee</u> ("ASS inventor of subject matter (application entitled " <u>DYNAMIC</u> ("APPLICATION"), which:	"INVENTION") disclosed a	-		
ASSIGNEE'S legal of Department, Micro Washington 9805. here in parenth Application No. USPTO	ASSIGNOR hereby authorepresentatives, of the Law osoft Corporation, One Mizer (ASSIGNEE'S LEGAL REPRESES (filed on November 13/671,249 by the ling date, and Office, when	v and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert er 7, 2012 and given the following Office his APPLICATION's		
	by the following Office;	Application No		
Microsoft Corporation, a Washington 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 interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));				
ASSIGNOR hereby REPRESENTATIVES to insert the following table for any APPLICA	ne Application No., filing			
Application No.	Filing Date	Office		

Docket No.: 14917.2243US01/337317.01

#### PATENT ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR's entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

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	11/1/2012	
Inventor's Signature	Date	
Yong Woo Rhee	0 0 0	
Printed Name in English	Printed Name in Native Language (if other than English)	

# PATENT ASSIGNMENT

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myemor or subject matter	("INVENTION") disclosed	l inventor or an original joint and/or claimed in a patent IN A GRID BASED APPLICATION"
ASSIGNEE'S lega Department, Mic Washington 980 here in parent Application No USPTO	ASSIGNOR hereby autorions of the Land representatives, of the Land representatives, of the Land representatives, of the Land representation, One Modern 13/671,249 by filling date, and Office, who	aw and Corporate Affairs  Microsoft Way, Redmond,  PRESENTATIVES), to insert  aber 7, 2012 and given  the following Office  this APPLICATION's
	and was given	Application No
и	",	
successors and assigns ("ASSI entire and exclusive rights, til and all other applications	GNEE"), is entitled to, and le and interest in the INV and patents derived the United States, its territor	on, on behalf of itself and its d is desirous of acquiring, the /ENTION and the APPLICATION erefrom, such as continuing ies, and all foreign countries
	he Application No., filin	uests, ASSIGNEE'S LEGAL g date, and Office into the
Application No.	Filing Date	Office

Docket No.: 14917.2243US01/337317.01

#### PATENT ASSIGNMENT

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attel	11/7/2012	
Inventor's Signature	Date	
Abbott Lowell		
Printed Name in English	Printed Name in Native Language (if other than English)	

Page 2 of 2