PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3035780

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date				
ORESTE DORIN UNGUREANU	09/09/2014				
ZHIGANG XU	09/10/2014				
AMOS ESHEL	09/08/2014				
SHALINI AKELLA	09/11/2014				
MARCUS ANDREWS	09/15/2014				
LEONARDO BLANCO	09/11/2014				
LUCAS BRODZINSKI	09/23/2014				

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:	14494825

CORRESPONDENCE DATA

Fax Number: (509)323-8979

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 509-324-9256

Email: saybram@leehayes.com
Correspondent Name: LEE & HAYES, PLLC

Address Line 1: 601 W. RIVERSIDE AVENUE

Address Line 2: SUITE 1400

Address Line 4: SPOKANE, WASHINGTON 99201

ATTORNEY DOCKET NUMBER:	MS1-5541US
NAME OF SUBMITTER:	SAYBRA MORRIS
SIGNATURE:	/Saybra Morris/
DATE SIGNED:	09/24/2014

502989181 PATENT REEL: 033812 FRAME: 0403

otal Attachments: 14
purce=15W7890#page1.tif
purce=15W7890#page2.tif
purce=15W7890#page3.tif
purce=15W7890#page4.tif
purce=15W7890#page5.tif
purce=15W7890#page6.tif
purce=15W7890#page7.tif
purce=15W7890#page8.tif
purce=15W7890#page9.tif
purce=15W7890#page10.tif
purce=15W7890#page11.tif
purce=15W7890#page12.tif
purce=15W7890#page13.tif
purce=15W7890#page14.tif

PATENT REEL: 033812 FRAME: 0404

	SSIGNMENT	MS Docket No.:	***************************************
		Attorney Docket No.:	MS1-5541US
	Oreste Dorin Ungureanu	("ASSIGNOR"	') am the original
	in original joint inventor of patent application entitled		FION") disclosed and/or
("APPLICATIO	DN"), which:		
	will be filed. ASSIGNOR ho	ereby authorizes, and re	quests,
	ASSIGNEE'S legal represen	tatives, of the Law and	Corporate Affairs
	Department, Microsoft Co	rporation, One Microsol	t Way, Redmond,
	Washington 98052 (ASSIG		
	here in parentheses (filed		
	Noby ti	ne following Office <u>US –</u>	<u>United States</u>
	Patent and Trademark Off		Application No.,
	filing date, and Office, wh	en known;	
	was filed on	and was (jiven Application
	No by t	the following Office " <u>US</u>	<u>- United States</u>
	Patent and Trademark Off	<u>lce</u> ";	
successors entire and	soft Corporation, a Washi and assigns ("ASSIGNEE"), i exclusive rights, title and and the APPLICATION (ar	s entitled to, and is de interest, including the nd all other applicatio	esirous of acquiring, to right of priority, in t ns and patents deriv
therefrom,	such as continuing applicat rritories, and all foreign co	tions, in whole or in pauntries ("APPLICATION E	
therefrom, s States, its te	rritories, and all foreign co	untries ("APPLICATION [PERIVATIVES"));
therefrom, s States, its to ASSIC	" ' '	untries ("APPLICATION (es, and requests,	DERIVATIVES")); ASSIGNEE'S LEG
therefrom, s States, its to ASSIC REPRESENTA	rritories, and all foreign co iNOR hereby authoriz	untries ("APPLICATION (es, and requests, lication No., filing dat	DERIVATIVES")); ASSIGNEE'S LEG. e, and Office into t
therefrom, s States, its to ASSIC REPRESENTA	rritories, and all foreign co iNOR hereby authoriz TIVES to insert the Appl ble for any APPLICATION DE	untries ("APPLICATION (es, and requests, lication No., filing dat RIVATIVES after they ar	DERIVATIVES")); ASSIGNEE'S LEGA Te, and Office into the the second control of the seco
therefrom, some states, its to ASSIC REPRESENTA following ta	rritories, and all foreign co iNOR hereby authoriz TIVES to insert the Appl ble for any APPLICATION DE	untries ("APPLICATION (es, and requests, lication No., filing dat RIVATIVES after they ar	DERIVATIVES")); ASSIGNEE'S LEGA Te, and Office into the the second control of the seco
therefrom, some states, its to ASSIC REPRESENTA following ta	rritories, and all foreign co iNOR hereby authoriz TIVES to insert the Appl ble for any APPLICATION DE	untries ("APPLICATION (es, and requests, lication No., filing dat RIVATIVES after they ar	DERIVATIVES")); ASSIGNEE'S LEG e, and Office into t e known;

Page 1 of 2

	}
	!
	}
	}

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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("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).

	-	12014	
Inventor's Signature	Date		
Oreste Dorin Ungureanu	Oreste	Dorin	Unquitanin
Printed Name in English	Printed Name	in Native La	ınguage

(if other than English)

PATENT ASSIGNMENT	MS Docket No.:	355670.01
	Attorney Docket No.:	MS1- 5541US
	, and the second	

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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

1	9/10/2014
Inventor's Signature	Date
Zhigang Xu	徐志剛
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT		T ·		A	S Docke y Docke		-		b >	
			ig # H				***************************************		***************************************	
	d :		a."	5						
			 		 	***************************************		***************************************	.exponenterment	

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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

Andl	9/8/2014	#
Inventor's Signature	Date	3
Amos Eshel	and the second second	
Printed Name in English	Printed Name in Native (if other than English)	Language

PATENT ASSIGN	MENT	Ath Docket No. Amorres Docket No.	9558 3 0 1 9631 554 US
	r application entitled		es NON, qisolozed suqias Namishe andust
CAPPLICATION I, W	then		
ASSK Department of the Control of th	e Ried. ASSIGNOR here DIEE'S legal sepre sents corent. Microsoft Corp ington 98052 (ASSIGNE is parentheses ifiled or by the is and Trademark Office date, and Office when	tives of the Lawrence of the School Control of the School Control of the School Control of the School of the Schoo	Corporate Affaire ft Way, Rediscond CATNES, to inser- there Application United SCATS
MO	iled on By the as and Trademask Office	fallowing Office US	
Successors and as entire and exclusion and exclusion therefore, such as States, its termions	Signs ("ASSIGNEE"), is we rights, tide and int he APPLICATION (and exemplicing applications, and all foreign com-	enneed to, and is decreased to adding the all other appointable in the most of an particle (APPLICATION C	
PEPRESENTATIVES ROBOWING CORE FOR	to insert the Application APPLICATION OFFI	ance No., filing da VATIVES after they ar	<u> </u>

PATENT
REEL: 033812 FRAME: 0411

PARENT ASSESSMENT SERVICES SER

FOR GOOD and value to considerance the recent of which the school of the ASSIGNATE ASSIGNATION OF THE ASS

ASSICNOR agrees to execute an instrument and occurrence organized for the making and prosecution of the APPLICATION can application the purpose of the APPLICATION and the purpose of control and perfecting size to the APPLICATION on APPLICATION (SERVICE).

Anyertor's Signature Code Shakki Akesa Printed Name in English Printed Name in Native Language		12	44		
	invertion's	s Signature	Date		
	Printed N		Printed Name	n Native Langu	age

Page Ziat 2

PATENT

REEL: 033812 FRAME: 0412

PATENT AS	SSIGNMENT	MS Docket	No.:	355670.01
		Attorney Docket	No.:	MS1- 5541US
	Silverine a mode	the state of the s	8 4 1 AC 10 M	
		ews ("ASSIC		
	~ `	ntor of subject matter ("If	AVENTI	ON") disclosed and/or
claimed in a	patent application e	intitled Handling of Monitor Topology	Chases	-نم
	₩ # # # # # # # # # # # # # # # # # # #	i ionamid ai manami i abandà	ការនារកិច	5
("APPLICATIO	ON"), which:			
	will be filed. ASSIC	NOR hereby authorizes, a	ınd rec	luests,
	ASSIGNEE'S legal re	presentatives, of the Law	and C	orporate Affairs
	Department, Micro	soft Corporation, One Mic	rosoft	Way, Redmond,
	Washington 98052	(ASSIGNEE'S LEGAL REPRI	ESENTA	ATIVES), to insert
		s (filed on		
		by the following Office		
		ark Office) this APPLICATI	ON's A	ipplication No.,
	filing date, and Off	ice, when known;		
	was filed on	and	was oi	ven Annlication
\		by the following Office		
	Patent and Tradem			Attilitäätäätättäiiitiiiitiii
		·		
Micro	soft Corporation, a	Washington Corporation	, on t	pehalf of itself and its
successors a	and assigns ("ASSIGI	NEE"), is entitled to, and	is des	irous of acquiring, the
entire and e	exclusive rights, titl	e and interest, including	the r	ight of priority, in the
INVENTION	and the APPLICATI	ON (and all other appli	cations	and patents derived
	•	pplications, in whole or	•	
States, its te	rritories, and all fore	ign countries ("APPLICAT	ION DE	RIVATIVES"));
محنر والحراجم ايو	ik Lenker			والمراجع والم والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراج
	·	uthorizes, and requ		
		Application No., filing	•	
		ION DERIVATIVES after th		
<u> </u>		Filing Date	Office	

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
			******	***************************************
	1			

Page 1 of 2

	PATENT ASSIGNMENT	MS Docket No.:	355670.01				
		Attorney Docket No.:	MS1- 5541US				
		·					
*******			······································				
1							

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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES")):

M. Andrews	15th September 2014
Inventor's Signature	Date
Marcus Andrews	
Printed Name in English	Printed Name in Native Language
	(if other than English)

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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("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

Leonardo Blanco

Printed Name in English

Printed Name in Native Language (if other than English)

ALENI ASSIGNMENT	MS Docket No.:	J225/U.U1
	Attorney Docket No.:	MS1- 5541US
, limae Ametrinovi		
Lucas Brodzinski	("ASSIGNOR"	') am the original
nventor or an original joint inventor o	•	FION") disclosed and/or
laimed in a patent application entitled		
Streamtined Handlir	ng of Monitor Topology Chang	@ S
'APPLICATION'), which:		
g		
will be filed. ASSIGNOR I	•	, ,
ASSIGNEE'S legal represe	•	•
Department, Microsoft Co	orporation, One Microsol	ft Way, Redmond,
Washington 98052 (ASSI		
here in parentheses (filed	onand g	jiven Application
No by	the following Office <u>US -</u>	United States
Patent and Trademark Of	<u>fice</u>) this APPLICATION's	Application No.,
filing date, and Office, wi	nen known;	
_		
was filed on	and was (given Application
No by	the following Office "US	<u> United States</u>
<u>Patent and Trademark Of</u>	fice";	
Microsoft Corporation, a Wash	ington Corporation, on	behalf of itself and i
uccessors and assigns ("ASSIGNEE"),	is entitled to, and is de	sirous of acquiring, th
ntire and exclusive rights, title and	interest, including the	right of priority, in the
NVENTION and the APPLICATION (a	nd all other applicatio	ns and patents derive
herefrom, such as continuing applica	itions, in whole or in pa	rt, in and for the Unite
tates, its territories, and all foreign co	ountries ("APPLICATION [)ERIVATIVES"));
ASSIGNOR hereby authori	zes, and requests,	ASSIGNEE'S LEGA
EPRESENTATIVES to insert the App	olication No., filing dat	e, and Office into th
ollowing table for any APPLICATION D	ERIVATIVES after they ar	e known:
Application No. Filling	Date Offic	e
ST 10		
		·····

Page 1 of 2

PATENT ASSIGNMENT	MS Docket No.:	355670.01
	Attorney Docket No.:	MS1- 5541US
	· ·	

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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES")):

·) 1/4-1	4/23/2314
Inventor's	Signature	Date
-	Lucas Brodzinski	
Printed Na	me in English	Printed Name in Native Language
		(if other than English)