# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Mark Thomas McCormack	11/20/2012
Raj N. Master	01/09/2013
Michael Joseph Lane	11/20/2012
Krishna Darbha	11/20/2012
Ralf Groene	02/18/2013
James Alec Ishihara	11/29/2012
Joshua James Fischer	11/20/2012

#### **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:	13784746

## **CORRESPONDENCE DATA**

502258121

**Fax Number**: 4259367329

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

Phone: 425-707-9382

Email: vffiling@microsoft.com

Correspondent Name: Assal Meftahi
Address Line 1: One Microsoft Way

Address Line 2: Patent Group Docketing Dept
Address Line 4: Redmond, WASHINGTON 98052

ATTORNEY DOCKET NUMBER: 337327.01

REEL: 029947 FRAME: 0671

**PATENT** 

13784746

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NAME OF SUBMITTER:	Mohammad Adil				
Total Attachments: 14					
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PATENT REEL: 029947 FRAME: 0672

1 Mark Thomas McCormack ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Graphic Formation via Material Ablation" ("APPLICATION"), which:

MS Docket No.: 337327.01

will	be	filed.	ASSIGNOR	hereby	authoriz	es, and	requests,
ASSI	GNE	E'S lega	l représentat	ives, of t	he Law an	d Corpo	rate Affairs
Depa	artm	ent, Mic	rasoft Corpo	oration, C	ne Micros	oft Way,	Redmond,
Wasł	ning	ton 980	52 (ASSIGNE	e's legai	REPRESEN	VTATIVES	S), to insert
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Offic	e _				) tł	nis APP	LICATION's
Appl	icati	on No.,	filing date, a	and Office	e, when kn	own;	

was filed on October 17, 2012 and was given Application No PCT/CN2012/083074 by the following Office "PCT";

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 No.	Filing Date	Office
13/784746	04-MAR-2013	US Patent and Trademark Office

Page 1 of 2

PATENT REEL: 029947 FRAME: 0673

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);

MS Docket No.: 337327.01

Inventor's Signature	<u> </u>
Mark Thomas McCormack	
Printed Name in English	Printed Name in Native Language
***************************************	(if other than English)

inventor of subject matter ("INVENTION") disclosed and/or claimed in a	patent
application entitled " <u>Graphic Formation via Material Ablation</u> " ("APPLICATION"), v	which:
$\square$ will be filed. ASSIGNOR hereby authorizes, and requests	s,
ASSIGNEE'S legal representatives, of the Law and Corporate Affair	S
Department, Microsoft Corporation, One Microsoft Way, Redmond	1,
Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to inser	rt
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Application No by the followin	
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Application No., filing date, and Office, when known;	
oximes was filed on October 17, 2012 and was given Application No	

I Raj N. Master ("ASSIGNOR") am the original inventor or an original joint

MS Docket No.: <u>337327.01</u>

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MS Docket No.: 337327.01

Inventor's Signature  Raj N. Master	1 9 1 3 Date		
Printed Name in English	Printed Name in Native Language (if other than English)		

MS Docket No.: 337327.01

1 1	Mich	<u>ael losep</u>	h Lane	("ASSIGNOR") a	m the	origina	al inven	tor or an	origin	nal joint
inventor	of	subject	matter	("INVENTION")	discl	osed	and/or	claimed	in a	patent
applicati	on e	ntitled "⊆	<u> Iraphic I</u>	Formation via A	<u> Materia</u>	<u>l Ablat</u>	ion" ("Al	PPLICATIO	)N"), v	vhich:

will b	oe :	filed.	ASSIGNOR	hereby	authoriz	es, and	requests,
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							, Redmond,
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Applic	catio	n No	),				following
Office							'LICATION's
Applic	catio	in No., fi	ling date, a	nd Office	, when k	nown;	

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Application No. Filing Date Office

13/784746 04-MAR-2013 US Patent and Trademark Office

Page 1 of 2

MS Docket No.: 337327.01

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mal Lane	11/20/2012		
Inventor's Signature	Date <sup>2</sup>		
Michael Joseph Lane	MICHAEL JOSEPH LANE		
Printed Name in English	Printed Name in Native Language		
	(if other than English)		

# PATENT ASSIGNMENT MS Docket No.: 337327.01

	("INVENTION") disclosed	inventor or an original joint and/or claimed in a patent tion" ("APPLICATION"), which:
ASSIGNEE'S legal Department, Mico Washington 9805 here in parenth Application N Office	ASSIGNOR hereby authorepresentatives, of the Lacrosoft Corporation, One Mose (ASSIGNEE'S LEGAL REPROPERSE) (Filed on	w and Corporate Affairs licrosoft Way, Redmond, RESENTATIVES), to insert and given by the following _) this APPLICATION's
	<u>ber 17, 2012</u> and was give 3074 by the following Offic	
Microsoft Corporation, successors and assigns ("ASSIGENTIFE and exclusive rights, tite (and all other applications applications, in and for the ("APPLICATION DERIVATIVES"));	GNEE"), is entitled to, and le and interest in the INV and patents derived the	ENTION and the APPLICATION erefrom, such as continuing
ASSIGNOR hereby REPRESENTATIVES to insert t following table for any APPLICA	he Application No., filin	
Application No. 13/784746	Filing Date 04-MAR-2013	Office  US Patent and Trademark Office

Page 1 of 2

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MS Docket No.: <u>337327.01</u>

Mush	11/20/2012
Inventor's Signature	Date
Krishna Darbha	
Printed Name in English	Printed Name in Native Language
	(if other than English)

	PATEN'	Γ ASSIGNMEN	NT	MS Do	cket No.:	337327.01
of subject n	<u>Groene</u> ("ASSIGN matter ("INVENTI phic Formation v	ON") disclosed	and/or	claimed in	a patent	
		crosoft Corpora 052 (ASSIGNEE': theses (filed No.	es, of the ation, On 5 LEGAL F on	e Law and Co e Microsoft REPRESENTA by th	orporate A Way, Redr FIVES), to and ne follo APPLICAT	offairs nond, insert given owing
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successors a entire and ex (and all oth applications,	oft Corporation, nd assigns ("ASS cclusive rights, the applications in and for the N DERIVATIVES")	SIGNEE"), is ent itle and interes and patents United States,	itled to, it in the derived	and is desir INVENTION therefrom,	ous of ac and the A such as	quiring, the PPLICATION continuing
ASSIGN	NOR hereby	authorizes,	and	requests,	ASSIGNEE	'S LEGAL

ΑL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known:

Application No.	Filing Date	Office
13/784746	04-MAR-2013	US Patent and Trademark Office
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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

MS Docket No.: <u>337327.01</u>

INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

	02/18/2013
Inventor's Signature	Date
Ralf Groene	
Printed Name in English	Printed Name in Native Language (if other than English)

I <u>James Alec Ishihara</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Graphic Formation via Material Ablation" ("APPLICATION"), which:

MS Docket No.: 337327.01

	will	be	filed.	ASSIGN	NOR	hereby	authori	zes,	and	req	uests,
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was filed on October 17, 2012 and was given Application No PCT/CN2012/083074 by the following Office "PCT";

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"));

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All Phh Inventor's Signature	November 29,2012 Date
James Alec Ishihara	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 337327.01

I Joshua James Fischer ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Graphic Formation via Material Ablation" ("APPLICATION"), which: 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 \_\_\_\_\_\_ and given Application No. the following by. Office this APPLICATION's Application No., filing date, and Office, when known; was filed on October 17, 2012 and was given Application No PCT/CN2012/083074 by the following Office "PCT"; 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")): hereby ASSIGNOR 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 No. Filing Date 13/784746 04-MAR-2013 US Patent and Trademark Office

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and the same of th	
Harris Annual Commence of the	20/11/12
Inventor's Signature	Date
Joshua James Fischer	
Printed Name in English	Printed Name in Native Language
	(if other than English)