## 504302495 04/03/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Stylesheet Version v1.2

EPAS ID: PAT4349176

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
HAITAO HE	08/29/2016
STEPHANIE LORRAINE HORN	08/24/2016
THOMAS ROLAND MIGNONE	03/31/2017
MATTHEW WILLIAM KERNEK	08/25/2016
ANCUTA IRINA ZAHARIA	03/31/2017

#### **RECEIVING PARTY DATA**

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC	
Street Address:	ONE MICROSOFT WAY	
City:	REDMOND	
State/Country:	WASHINGTON	
Postal Code:	98052	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15247643

### **CORRESPONDENCE DATA**

**Fax Number:** (612)332-9081

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**Phone:** 612-332-5300

Email: usdocket@microsoft.com

Correspondent Name: MERCHANT & GOULD (MICROSOFT)

Address Line 1: P.O. BOX 2903

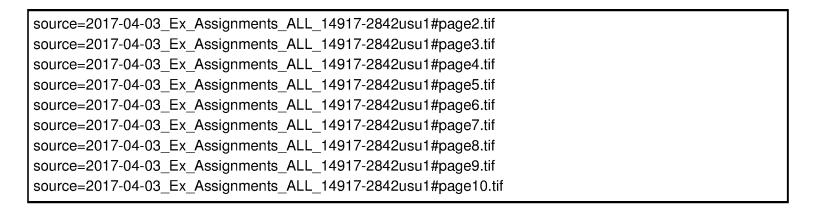
Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0903

ATTORNEY DOCKET NUMBER:	14917.2842USU1	
NAME OF SUBMITTER:	CHRISTOPHER J. LEONARD	
SIGNATURE:	/Christopher J. Leonard/	
DATE SIGNED:	04/03/2017	

**Total Attachments: 10** 

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PATENT 504302495 REEL: 041823 FRAME: 0203



PATENT REEL: 041823 FRAME: 0204

# PATENT ASSIGNMENT

subject matter ("INVEN"	TION") disclosed and/ $\epsilon$	al inventor or an original join or claimed in a patent applica VECTOR GRAPHICS" ("AP	ation entitled
ASSIGNEE' LLC., Or (ASSIGNEE parenthes No Patent and	S legal representative  I Microsoft Way,  IS LEGAL REPRESEN  es (filed on by the fol	NTATIVES), to insert her and given Application of the Application of t	nsing, 98052 re in cation <u>States</u>
⊠ was filed o 15/247,64 Trademark	13 by the following Off	d was given Application No. ice " <u>United States Patent and</u>	
Microsoft Technology Licensing, LLC, a Washington limited liability company, 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, 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 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	
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Page 1 of 2

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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, 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"));

Haitao He	08/29/2016	
Inventor's Signature	Date 何海湃	
Haitao He		
Printed Name in English	Printed Name in Native Language (if other than English)	

### PATENT ASSIGNMENT

I Stephanie Lorraine Horn ("ASSIGNOR") am the original inventor or an original
joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent
application entitled "DYNAMICALLY FORMATTING SCALABLE VECTOR GRAPHICS"
("APPLICATION"), which:

$\boxtimes$	will be filed. ASSIGNOR hereby authorizes, and requests
	ASSIGNEE'S legal representative, Microsoft Technology Licensing
	LLC., One Microsoft Way, Redmond, Washington 98052
	(ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in
	parentheses (filed on August 25, 2016 and given Application
	No15/247,643 by the following Office US ~ United States
	Patent and Trademark Office) this APPLICATION's Application No.
	filing date, and Office, when known;
	was filed on and was given Application No.
	by the following Office "United States Patent and Trademark
	Office";

Microsoft Technology Licensing, LLC, a Washington limited liability company, 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, 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 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

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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, 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"));

Stuphee Shu Inventor's Signature	August 24,2016 Date
Stephanie Lorraine Horn	
Printed Name in English	Printed Name in Native Language
	(if other than English)

# PATENT ASSIGNMENT

I <u>Tho</u>	<u>mas Roland Migno</u>	<u>ne</u> ("ASSIGNOR") am the o	original inventor or an original
			ed and/or claimed in a patent
			ALABLE VECTOR GRAPHICS"
("APPLICATIO			
	,		
	will be filed.	ASSIGNOR hereby auth	norizes and requests
		representative, Microsoft	
		rosoft Way, Redmond	
	•	GAL REPRESENTATIVES),	
		d on	
	No		ice <u>US – United States</u>
		mark Office) this APPLICA	
		ffice, when known;	TION'S Application No.,
	ming date, and of	mee, when known,	
$\boxtimes$	was filed on Augu	st 25, 2016 and was give	Application No
_		e following Office " <u>United</u>	
	Trademark Office'		<u>States Patent and</u>
	Trademark Office	,	
Micro	soft Technology Lic	censing, LLC, a Washingto	n limited liability company, on
			GNEE"), is entitled to, and is
			tle and interest, including the
			(and all other applications and
patents deriv	/ed therefrom, suc	h as continuing applicatio	ns, in whole or in part, in and
for the Uni	ited States, its t	erritories, and all fore	ign countries ("APPLICATION
<b>DERIVATIVES</b>			
ASSIG	NOR hereby	authorizes, and req	uests, ASSIGNEE'S LEGAL
REPRESENTA	TIVES to insert th	ne Application No., filin	g date, and Office into the
following tab	le for any APPLICA	TION DERIVATIVES after th	ney are known;
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Page 1 of 2

## 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, 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"));

Inventor's Signature	$\frac{3/31/17}{\text{Date}}$
Thomas Roland Mignone	
Printed Name in English	Printed Name in Native Language (if other than English)

# PATENT ASSIGNMENT

		•
l <u>Matthew William Kern</u>	ek ("ASSIGNOR") am the o	original inventor or an original
joint inventor of subject mate	ter ("INVENTION") disclose	ed and/or claimed in a patent
application entitled "DYNAMI	CALLY FORMATTING SC	CALABLE VECTOR GRAPHICS
("APPLICATION"), which:	CYCLI TOMMAT MING 30	ALABLE VECTOR GRAPHICS
CALLECATION ), WINCH,	•	
<b>⊠</b>		
	ASSIGNOR hereby auti	
ASSIGNEE'S legal	representative, Microsoft	t Technology Licensing,
LLC., One Mid	crosoft Way, Redmond	, Washington 98052
(ASSIGNEE'S LEG	GAL REPRESENTATIVES),	to insert here in
parentheses (file	d on August 25, 2016	and given Application
	by the following Off	
	mark Office) this APPLICA	
	ffice, when known;	
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was filed on	and was given	Application No
	Office " <u>United States Paten</u>	
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Microsoft Technology Li	consina IIC a Washingto	n limited liability company, on
behalf of itself and its succe	sears and assigns /"Accu	CNEED to anticle of the control of
desirous of acquiring the anti	ssors and assigns (ASSI	GNEE"), is entitled to, and is
right of priority in the thursty	re and exclusive rights, ti	tle and interest, including the
night of phonty, in the INVENTI	ON and the APPLICATION	(and all other applications and
patents derived therefrom, suc	h as continuing applicatio	ns, in whole or in part, in and
for the United States, its	territories, and all fore	ign countries ("APPLICATION
DERIVATIVES"));	•	
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		uests, ASSIGNEE'S LEGAL
REPRESENTATIVES to insert t	he Application No., filin	g date, and Office into the
following table for any APPLICA	TION DERIVATIVES after th	ney are known;
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Page 1 of 2

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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, 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"));

Matthy W. Kul	25 AUG 2016
Inventor's Signature	Date
Matthew William Kernek	CONTRACTOR OF THE PROPERTY OF
Printed Name in English	Printed Name in Native Language
	(if other than English)

# PATENT ASSIGNMENT

inventor of	subject matter ( entitled "DYNAMIC	"INVENTION") disclosed	al inventor or an original joint and/or claimed in a patent ALABLE VECTOR GRAPHICS"
	ASSIGNEE'S legal LLC., One Mic (ASSIGNEE'S LEC parentheses (filed No	ASSIGNOR hereby auth representative, Microsoft rosoft Way, Redmond, GAL REPRESENTATIVES), don by the following Offimark Office) this APPLICATICE, when known;	Technology Licensing, Washington 98052 to insert here in and given Application ce <u>US – United States</u>
		st 25, 2016 and was giver e following Office " <u>United</u> ';	
behalf of its desirous of right of prior patents deriv	self and its succe acquiring, the enti rity, in the INVENTI ved therefrom, suc	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio	n limited liability company, on GNEE"), is entitled to, and is tle and interest, including the (and all other applications and ons, in whole or in part, in and ign countries ("APPLICATION")
ASSIG REPRESENTA			uests, ASSIGNEE'S LEGAL g date, and Office into the
following tal	ole for any APPLICA	TION DERIVATIVES after th	ney are known;
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Page 1 of 2

PATENT REEL: 041823 FRAME: 0213

#### 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, 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).

ZAN	3/3//2017
Inventor's Signature	Date
Ancuta Irina Zaharia	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Page 2 of 2