504223835 02/10/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4270512

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
TOM MIGNONE	08/24/2016
MATTHEW WILLIAM KERNEK	08/25/2016
ANCA IRINA ZAHARIA	08/25/2016

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

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: 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

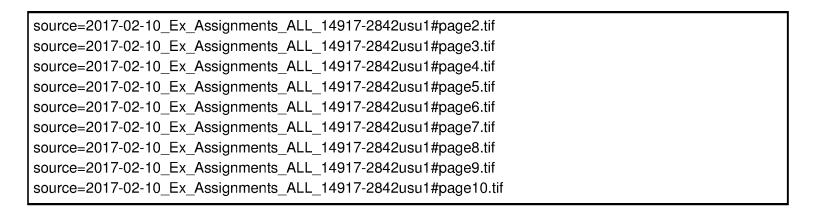
ATTORNEY DOCKET NUMBER: 149172842USU1/359785USPSP		
NAME OF SUBMITTER: CHRISTOPHER J. LEONARD		
SIGNATURE:	/Christopher J. Leonard/	
DATE SIGNED:	02/10/2017	

Total Attachments: 10

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PATENT REEL: 041230 FRAME: 0891

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PATENT REEL: 041230 FRAME: 0892

PATENT ASSIGNMENT

subject matt	er ("INVENTION") o	disclosed and/or claimed	or an original joint inventor o in a patent application entitled GRAPHICS" ("APPLICATION")
	ASSIGNEE'S legal LLC., One Mic (ASSIGNEE'S LEG parentheses (file No	ASSIGNOR hereby authorepresentative, Microsoft crosoft Way, Redmond GAL REPRESENTATIVES), don by the following Offmark Office) this APPLICA ffice, when known;	Technology Licensing, Washington 98052 to insert here in and given Application ice <u>US – United States</u>
\boxtimes		ust 25, 2016 and was given ne following Office " <u>United</u> ";	
behalf of its desirous of a right of prior patents deriv	self and its succe acquiring, the enti rity, in the INVENTI yed therefrom, suc ited States, its	ssors and assigns ("ASSI re and exclusive rights, ti ON and the APPLICATION h as continuing application	on limited liability company, or GNEE"), is entitled to, and is itle and interest, including the (and all other applications and ons, in whole or in part, in and ign countries ("APPLICATION
	TIVES to insert t	authorizes, and required he Application No., filin TION DERIVATIVES after the	g date, and Office into the
Application N		Filing Date	Office Office
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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"));

Hourtan 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 o	riginal
joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a p	patent
application entitled "DYNAMICALLY FORMATTING SCALABLE VECTOR GRAP	HICS"
("APPLICATION"), which:	

X	will be filed ASSICNOR borely and and
ليسسنة	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
	No. 15/247,643 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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Page 1 of 2

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

PATENT ASSIGNMENT

I <u>Tom Mignone</u> ("ASSIC inventor of subject matter (application entitled "DYNAMIC ("APPLICATION"), which:	"INVENTION") disclosed	
ASSIGNEE'S legal LLC., One Mic (ASSIGNEE'S LEC parentheses (filed No. 15/247,643 Patent and Trade	d on August 25, 2016	Technology Licensing, Washington 98052 to insert here in and given Application ce <u>US – United States</u>
	and was given Office " <u>United States Patent</u>	
Microsoft Technology Lid behalf of itself and its success desirous of acquiring, the enti- right of priority, in the INVENTI patents derived therefrom, suc- for the United States, its to DERIVATIVES"));	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION (h as continuing applicatio	tle and interest, including the (and all other applications and ns, in whole or in part, in and
ASSIGNOR hereby REPRESENTATIVES to insert the following table for any APPLICA	ne Application No., filing	,
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Inventor's Signature	8/2~1/6 Date
Tom Mignone	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

the National Control of the Control	v. 15mm	original inventor or an origina
		ed and/or claimed in a patent
	ICALLY FORMATTING SC	ALABLE VECTOR GRAPHICS
("APPLICATION"), which:		
ASSIGNEE'S lega LLC., One M (ASSIGNEE'S LI parentheses (fil- No. <u>15/247,643</u> <u>Patent and Trad</u>	ASSIGNOR hereby authorosoft legal representative, Microsoft legal Representatives), and a second sec	Technology Licensing, Washington 98052 to insert here in and given Application ice <u>US – United States</u>
was filed on	and was given Office " <u>United States Paten</u>	• •
behalf of itself and its succ desirous of acquiring, the en- right of priority, in the INVENT patents derived therefrom, su	essors and assigns ("ASSI tire and exclusive rights, t TION and the APPLICATION ch as continuing application	on limited liability company, on GNEE"), is entitled to, and is itle and interest, including the (and all other applications and ons, in whole or in part, in and ign countries ("APPLICATION
ASSIGNOR hereby REPRESENTATIVES to insert following table for any APPLIC	the Application No., filin	uests, ASSIGNEE'S LEGAL g date, and Office into the ney are known;
Application No.	Filing Date	Office
		A CONTRACTOR OF THE CONTRACTOR

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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"));

Matthe W. Kirl	25 AUG- 2016
Inventor's Signature	Date
Matthew William Kernek	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

l <u>Anca</u>	<u>Irina Zal</u>	<u>naria</u> ("AS	SIGNOR")	am the	origina	l invento	or or an	origina	al joint
inventor of	subject	matter ("	INVENTIO	N") disc	losed	and/or	claimed	in a	patent
application e	ntitled "D	YNAMIC	ALLY FOR	RMATTII	NG SC	ALABLE	VECTOR	GRAF	PHICS"
("APPLICATIO	N"), which	ղ:							

\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
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	was filed on and was given Application No.
	by the following Office " <u>United States Patent and Trademark</u> <u>Office</u> ";

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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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Thuy	8/25/2016
Inventor's Signature	Date
Anca Irina Zaharia	
Printed Name in English	Printed Name in Native Language
	(if other than English)