PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4007778

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SARAH SYKES	08/09/2016
IAN WILLIAM MIKUTEL	08/05/2016
ARIANNE MARIE TAYLOR	08/05/2016
ARUNKUMAR NARAYANAN KOTIEDATH	08/08/2016
ANTHONY NEIL DART	08/11/2016
ANA RUTH RESENDEZ RODRIGUEZ	08/08/2016

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:	15237498

CORRESPONDENCE DATA

Fax Number: (865)380-5999

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

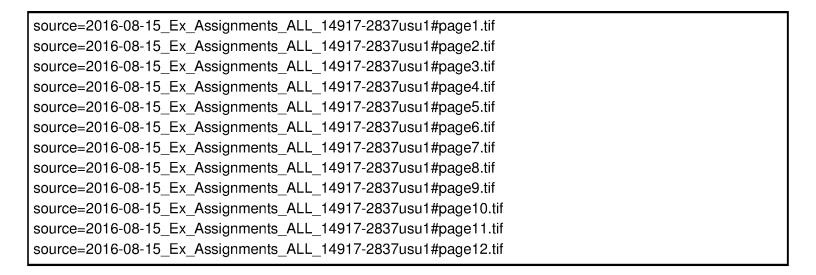
Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0903

ATTORNEY DOCKET NUMBER:	14917.2837USU1/359722.02
NAME OF SUBMITTER:	CHRISTOPHER J. LEONARD
SIGNATURE:	/Christopher J. Leonard/
DATE SIGNED:	08/15/2016

Total Attachments: 12

PATENT REEL: 039438 FRAME: 0558

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PATENT REEL: 039438 FRAME: 0559

PATENT ASSIGNMENT

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entitle	d "INk	C EFF	ECTS	i" ("APPL	.ICATION"), w	hich:				
	\boxtimes	will	be	filed.	ASSIGNOR	hereby	authorizes,	and	requests,	

\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 15, 2016 and given Application
	No. 15/237,498 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 "	<u>'United States Patent and Trade</u>	<u>mark</u>
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	
			_

PATENT ASSIGNMENT

PT-00-10-10-10-10-10-10-10-10-10-10-10-10-	,	

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"));

2. L. S/w	08 / 09 / 2016
Inventor's Signature	Date
Sarah Sykes	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

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inventor	of	subject	matter	("INVENTION")	disclosed	and/or	claimed	in	a	patent
applicatio	n er	ntitled "I	nk effe	CTS" ("APPLICA	TION"), whi	ch:				

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X	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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Dan Milwittl	8/5/16
Inventor's Signature	Date
lan William Mikutel	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

l <u>Arianne Marie Taylor</u> ("	ASSIGNOR") am the origin	al inventor or an original joint
inventor of subject matter ("INVENTION") disclosed	and/or claimed in a patent
application entitled "INK EFFEC	TS" ("APPLICATION"), which	:h:
oxtimes will be filed.	ASSIGNOR hereby auth	orizes, and requests,
	representative, Microsoft	
•	rosoft Way, Redmond,	J. J.
(ASSIGNEE'S LEC	GAL REPRESENTATIVES),	to insert here in
parentheses (filed	on August 15, 2016	and given Application
No. <u>15/237,498</u>	by the following Offi	ce <u>US – United States</u>
Patent and Trade	mark Office) this APPLICA	TION's Application No.,
filing date, and O	ffice, when known;	
	and was given App	lication No.
by the following C	Office " <u>United States Paten</u> i	and Trademark
<u>Office</u> ";		
behalf of itself and its succe 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 ("ASSIG re and exclusive rights, ti ON and the APPLICATION h as continuing application territories, and all foreit authorizes, and requal	tle and interest, including the (and all other applications and ns, in whole or in part, in and gn countries ("APPLICATION LEGAL and Office into the
Application No.	Filing Date	Office
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Amon Tol	8 5 2016
Inventor's Signature	Date
Arianne Marie Taylor	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

I <u>ArunKumar Narayanan Kotiedath</u> ("ASSIGNOR") am the original inventor or a original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in patent application entitled "INK EFFECTS" ("APPLICATION"), which:
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 <u>August 15, 2016</u> and given Application No. <u>15/237,498</u> by the following Office <u>US - United States Patent and Trademark Office</u>) this APPLICATION's Application No., filing date, and Office, when known;
was filed on and was given Application No. by the following Office " <u>United States Patent and Trademark Office</u> ";
Microsoft Technology Licensing, LLC, a Washington limited liability company, o behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and it 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 an patents derived therefrom, such as continuing applications, in whole or in part, in an for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));
ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAREPRESENTATIVES 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

PATENT ASSIGNMENT

Participation and the second s	
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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	08-08-2016 Date
ArunKumar Narayanan Kotiedath	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

I	<u>Anth</u>	ony Nei	l Dart (",	ASSIGNOR")	am the	origina	al invent	or or an	orig	jina	al joint
inventor	of	subject	matter	("INVENTIO	N") disc	closed	and/or	claimed	in	a	patent
applicati	ion e	ntitled "l	ink effe	ECTS" ("APPL	ICATION	۱"), whi	ch:				

X	will be filed. ASSIGNOR hereby authorizes, and requests
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	(ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in
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	was filed on and was given Application No.
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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

Anthony Neil Dart

Printed Name in English

Date

ANTHONY DA

Printed Name in Native Language

(if other than English)

PATENT ASSIGNMENT

original join	t inventor of subje		n the original inventor or an disclosed and/or claimed in a "), which:
	ASSIGNEE'S legal LLC., One Mic (ASSIGNEE'S LEG parentheses (filed No. 15/237.498) Patent and Trade	ASSIGNOR hereby authorepresentative, Microsoft rosoft Way, Redmond, GAL REPRESENTATIVES), and an august 15, 2016 by the following Office, when known;	Technology Licensing, Washington 98052 to insert here in and given Application ice <u>US – United States</u>
		and was given App Office " <u>United States Paten</u>	
behalf of its desirous of a right of prior patents deriv	self and its succe acquiring, the enti- rity, in the INVENTI ved therefrom, suc- ited States, its t	ssors and assigns ("ASSI) 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 ns, in whole or in part, in and ign countries ("APPLICATION
REPRESENTA	TIVES to insert t		uests, ASSIGNEE'S LEGAL g date, and Office into the ney are known;
Application I		Filing Date	Office
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Inventor's Signature	8-8-2016 Date
_Ana Ruth Resendez Rodriguez	
Printed Name in English	Printed Name in Native Language (if other than English)