504368896 05/16/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4415590

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
IAN S. PETERSEN	05/14/2017
JEFFREY J. WALL	05/12/2017
MARIUS C. CONSTANTIN	05/12/2017
KENT C. MAI	05/12/2017
PING ZHANG	05/12/2017
SOMANATH KRISHNASWAMY	05/12/2017
JEREMY LITTEL	05/13/2017
JASON T. CREIGHTON	05/12/2017
JOYCE KUO	05/12/2017
VALLABH PATADE	05/12/2017

#### **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:	15595175

#### **CORRESPONDENCE DATA**

Fax Number:

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:** 414-271-6560

**Email:** usdocket@microsoft.com, mkeipdocket@michaelbest.com,

lebuhs@michaelbest.com

Correspondent Name: MICHAEL BEST & FRIEDRICH LLP

Address Line 1: 100 E WISCONSIN AVENUE

Address Line 2: SUITE 3300

Address Line 4: MILWAUKEE, WISCONSIN 53202

PATENT 504368896 REEL: 042390 FRAME: 0594

ATTORNEY DOCKET NUMBER:	402385-US-NP (9035-US)
NAME OF SUBMITTER:	MOLLY S. LAWSON
SIGNATURE:	/molly s. lawson/
DATE SIGNED:	05/16/2017

#### **Total Attachments: 20**

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Docket No.: 402385-US-NP (9035-US)

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	ASSIGNE	E'S legal	representa	tive, Micr	osoft	Techno	ology L	icensing,
	LLC, On	e Microso	ft Way, Red	mond, Wa	ushingt	on 980	)52 (AS	SIGNEE'S
	LEGAL I	REPRESEN	ITATIVES), t	o insert	here	in par	renthes	es (filed
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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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PATENT ASSIGN	NMENT	Docket No.:	402385-US-NP (9035-US)

The American	2017/05/14
Inventor's Signature	Date
lan S. PETERSEN	
Printed Name in English	Printed Name in Native Language (if other than English)

I Jeffrey I. WALL ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CONDITIONALLY CRASHING SOFTWARE APPLICATIONS TO TRACK SOFTWARE USE" ("APPLICATION"), which:

M	will be	filed.	ASSIGNOR	hereby	authorizes,	and reque	sts,
	ASSIGNEE	e'S lega	l representa	tive, Micro	osoft Techn	ology Licens	ing,
	LLC, One	Micros	oft Way, Red	mond, Wa	shington 98	052 (ASSIGNI	EE'S
	LEGAL R	EPRESE	VTATIVES), 1	o insert	here in pa	irentheses (f	iled
	on ,			and	given	Applica	tion
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	Office _				) this	APPLICATIO	N's
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Application No.	Filing Date	Office

	PATENT A	SSIGNMENT	Docket No.:	402385-US-NP (9035-US
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Aldell	5-12-17
Inventor's Signature	Date
Jeffrey J. WALL	
Printed Name in English	Printed Name in Native Language
	(if other than English)

# PATENT ASSIGNMENT

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Docket No.: 402385-US-NP (9035-US)

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Manin	57/2/2014
Inventor's Signature	Date
Marius C. CONSTANTIN	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Kent C. MAI</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>CONDITIONALLY CRASHING SOFTWARE APPLICATIONS TO TRACK SOFTWARE USE</u>" ("APPLICATION"), which:

$\times$	will	be	filed.	ASSIGNOR	hereby	autho	rizes,	and	req	uests,
	ASSI	GNE	E'S lega	l representa	itive, Mic	rosoft <sup>-</sup>	Techno	ology	Lice	nsing,
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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:

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Application No.	Filing Date	Office

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Docket No.: 402385-US-NP (9035-US)

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"));

Kent Mat	5/12/2017
Inventor's Signature	Date
Kent C. MAI	
Printed Name in English	Printed Name in Native Language
	(if other than English)

### PATENT ASSIGNMENT

Docket No.: 402385-US-NP (9035-US) I Ping Zhang ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CONDITIONALLY CRASHING SOFTWARE APPLICATIONS TO TRACK SOFTWARE USE" ("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 and aiven Application No. by the following Office \_\_) this APPLICATION's Application No., filing date, and Office, when known; was filed on \_\_\_\_\_ and was given Application No \_\_\_\_\_\_ by the following 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 authorizes, hereby 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

PA	TENT ASSIG	MENT	Docket No.:	402385-US-NP (9035-US

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).

| Date | Printed Name in English | Printed Name in Native Language (if other than English)

# PATENT ASSIGNMENT Docket No.: 402385-US-NP (9035-US)

original joint inventor of subj	ect matter ("INVENTION "CONDITIONALLY CRASE	n the original inventor or an ") disclosed and/or claimed in <u>HING SOFTWARE APPLICATIONS</u>
ASSIGNEE'S legal LLC, One Microso LEGAL REPRESEN on No.	representative, Microso ft Way, Redmond, Washir TATIVES), to insert her and by	the following
	iling date, and Office, wh	) this APPLICATION's nen known;
No	censing, LLC, a Washingt ssors and assigns ("ASS re and exclusive rights, ON and the APPLICATION h as continuing applicat territories, and all for authorizes, and re	ce con limited liability company, on SIGNEE"), is entitled to, and is title and interest, including the N (and all other applications and ions, in whole or in part, in and eign countries ("APPLICATION quests, ASSIGNEE'S LEGAL
REPRESENTATIVES to insert t following table for any APPLICA		ing date, and Office into the they are known;
Application No.	Filing Date	Office

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Norman (If other than English)

I <u>Jeremy LITTEL</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>CONDITIONALLY CRASHING SOFTWARE APPLICATIONS TO TRACK SOFTWARE USE</u>" ("APPLICATION"), which:

will	be	filed.	ASSIGNOR	hereby	autho	rizes,	and	requ	iests,
ASSI	GNEI	E'S legal	representa	tive, Micr	osoft <sup>-</sup>	Techno	ology	Licen	sing,
LLC,	One	Microso	oft Way, Redi	mond, Wa	ashingt	on 980	)52 (A	SSIGI	NEE'S
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Application No.	Filing Date	Office

Docket No.: 402385-US-NP (9035-US)

PATENT ASSIGNMENT

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Inventor's Signature

Date

Jeremy LITTEL

Printed Name in English

Printed Name in Native Language
(if other than English)

I <u>Jason T. CREIGHTON</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CONDITIONALLY CRASHING SOFTWARE APPLICATIONS TO TRACK <u>SOFTWARE USE</u>" ("APPLICATION"), which:

M	will be filed. As	SSIGNOR hereby	/ authorizes	, and requests,
	ASSIGNEE'S legal re	oresentative, Mi	crosoft Techr	nology Licensing,
	LLC, One Microsoft V	Vay, Redmond, V	ashington 91/	8052 (Assignee's
	LEGAL REPRESENTA	TIVES), to inser	t here in p	arentheses (filed
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Application No.	Filing Date	Office	
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Sam Credit	05/15/17
Inventor's Signature	Date
Jason T. CREIGHTON	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Joyce KUO ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CONDITIONALLY CRASHING SOFTWARE APPLICATIONS TO TRACK SOFTWARE USE" ("APPLICATION"), which:

M	will be filed.	ASSIGNOR	hereby a	authorizes,	and requests,
	ASSIGNEE'S legal	represental	tive, Micro	soft Techno	logy Licensing,
	LLC, One Microsol	t Way, Redi	nond, Was	hington 980	52 (ASSIGNEE'S
	LEGAL REPRESENT	ΓΑΤΙVES), t	o insert l	nere in par	entheses (filed
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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

Joyce KUO
Printed Name in English

Printed Name in Native Language
(if other than English)

inventor of application e	subject matter on the control of the	("INVENTION") disclosed <u>)NALLY CRASHING SOFTV</u>	t Technology Licensing,
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behalf of its desirous of a right of prior patents deriv	elf and its succe icquiring, the enti ity, in the INVENTI ed therefrom, suc ted States, its	ssors and assigns ("ASS re and exclusive rights, I ON and the APPLICATION h as continuing application	on limited liability company, on IGNEE"), is entitled to, and is itle and interest, including the (and all other applications and ons, in whole or in part, in and lign countries ("APPLICATION
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PATENT ASSIGNMENT	Docket No.:	402385-US-NP (9035-US)

*************	Patësle_	05/12/2017
	Inventor's Signature	Date
	Vallabh PATADE	वस्लाम पराडे
***************************************	Printed Name in English	Printed Name in Native Language
		(If other than English)