504550063 09/15/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4596771

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MATTHEW T. MCFADDEN	09/08/2017
HAYLEY L. STEPLYK	09/08/2017
SIRIRAT REINIKKA	09/07/2017
SVETLANA A. BORODINA	09/11/2017
SCOTT A. MOODY	09/14/2017
JONATHAN H. MOLLERUP	09/08/2017
KEVIN MATTHEW DARGIE	09/07/2017
ZONGYAO MAO	09/08/2017

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:	15700833

CORRESPONDENCE DATA

Fax Number: (952)373-8920

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: 952-467-6088

Email: sgreenfield@khcip.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 2: PATENT GROUP DOCKETING DEPT
Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	402840-US-NP
NAME OF SUBMITTER:	SUSAN GREENFIELD
SIGNATURE:	/Susan Greenfield/

504550063 PATENT REEL: 043603 FRAME: 0658

DATE SIGNED:	09/15/2017
Total Attachments: 16	
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PATENT REEL: 043603 FRAME: 0659 PATENT ASSIGNMENT

MS Docket No.: 402840-US-NP

I Matthew T. MCFADDEN ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "LOCAL AND REMOTE SEARCH AND CONFIGURATION SYSTEM" ("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 and given Application No 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
	n ,

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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Hatthe Malch	9/8/17
Inventor's Signature	Date
Matthew T. MCFADDEN	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

I Hayley L. STEPLYK ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "LOCAL AND REMOTE SEARCH AND CONFIGURATION SYSTEM" ("APPLICATION"), which:

MS Docket No.: 402840-US-NP

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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).

Hayley L. STEPLYK
Printed Name in English
Printed Name in English
Printed Name in English)

inventor of	subject matter (" entitled "LOCAL A	'INVENTION") disclosed	inventor or an original joint and/or claimed in a patent ND CONFIGURATION SYSTEM'
	ASSIGNEE'S legal LLC., One Microsof LEGAL REPRESENT on the following Office	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing ATIVES), to insert here and given Application e US – United States Paten s Application No., filing	Technology Licensing, gton 98052 (ASSIGNEE'S in parentheses (filed No by t and Trademark Office)
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behalf of itse of acquiring, priority, in th derived there United States	If and its successors the entire and excessors the INVENTION and the INVENTION and the Invention is the second and the second is the second in	s and assigns ("ASSIGNEE") clusive rights, title and in he APPLICATION (and all o tinuing applications, in w I all foreign countries ("AP	n limited liability company, on b, is entitled to, and is desirous nterest, including the right of other applications and patents hole or in part, in and for the PLICATION DERIVATIVES"));
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PATENT ASSIGNMENT	MS Docket No.:	402840-US-NP

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Inventor's Signature

Date

Sirirat REINIKKA

Printed Name in English

Printed Name in Native Language (if other than English)

I Svetlana A. BORODINA ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "LOCAL AND REMOTE SEARCH AND CONFIGURATION SYSTEM" ("APPLICATION"), which:

\boxtimes	will be filed. ASSIGNOR hereby authorizes, and requests,
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	was filed on and was given Application
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LBorodina	9/11/2017
Inventor's Signature	Date
Svetlana A. BORODINA	
Printed Name in English	Printed Name in Native Language
	(if other than English)

1 Scot	t A. MOODY ("ASS	SIGNOR") am the original	inventor or an original joint
			and/or claimed in a patent
		<u>ND REMOTE SEARCH AN</u>	D CONFIGURATION SYSTEM"
("APPLICATIO	DN"), which:		
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		ASSIGNOR hereby authorized	
		representative, Microsoft	-
	LLC., One Microso	ft Way, Redmond, Washing	ton 98052 (ASSIGNEE'S
	LEGAL REPRESENT	TATIVES), to insert here	in parentheses (filed
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	the following Offic	e <u>US – United States Patent</u>	and Trademark Office)
	this APPLICATION	's Application No., filing (date, and Office, when
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Micros	oft Technology Lic	ensing, LLC, a Washington	limited liability company, on
behalf of itse	lf and its successor	s and assigns ("ASSIGNEE")	, is entitled to, and is desirous
of acquiring,	the entire and ex-	clusive rights, title and in	terest, including the right of
priority, in th	e INVENTION and t	he APPLICATION (and all o	ther applications and patents
derived there	from, such as cont	inuing applications, in wh	ole or in part, in and for the
United States	, its territories, and	all foreign countries ("API	PLICATION DERIVATIVES"));
ASSIGN	NOR hereby authori	zes, and requests, ASSIGN	EE'S LEGAL REPRESENTATIVES
to insert the	Application No., f	iling date, and Office into	the following table for any
	DERIVATIVES after		
Application		Filing Date	Office
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MS	Docket	No.:	402840-US-NP

TX	9/14/2017
myentor's Signature	Date
Scott A. MOODY	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

MS Docket No.: 402840-US-NP

I Jonathan H. MOLLERUP ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "LOCAL AND REMOTE SEARCH AND CONFIGURATION SYSTEM" ("APPLICATION"), which:

\boxtimes	will be filed. ASSIGNOR hereby authorizes, and requests,
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Application No.	Filing Date	Office
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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

Date

Jonathan H. MOLLERUP

Printed Name in English

Printed Name in Native Language

(if other than English)

I Kevii	n Matthew DARGIE ("ASSIGNOR") am the origin	al inventor or an original joint
inventor of	subject matter ('	'INVENTION") disclosed a	and/or claimed in a patent
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Micros	oft Technology Lic	ensing, LLC, a Washingtor	limited liability company, on
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M. Jarga. 09.07.17
Inventor's Signature Date

Kevin Matthew DARGIE

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

PA	T	E	JT	AS	SI	GN	IN	1EN	JT

MS Docket No.:

402840-US-NP

I Zongyao MAO ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "LOCAL AND REMOTE SEARCH AND CONFIGURATION SYSTEM" ("APPLICATION"), which:

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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"));

411	20/-0/-
Inventor's Signature	01/08/2017 Date
Zongyao MAO	
Printed Name in English	Printed Name in Native Language
	(if other than English)