504530553 09/01/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4577259

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
REBECCA JEAN OCHS	08/30/2017
RAMESH CHINTA	08/28/2017
AMRITA SATAPATHY	08/30/2017
JEFFREY COOPERSTEIN	08/30/2017
HARINI PARTHASARATHY	08/30/2017
SCOTT ANTONY FIELD	09/01/2017
MOHAMED ROUATBI	08/30/2017
JULIAN FEDERICO GONZALEZ	08/28/2017

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:	15692393

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.

Email: USDocket@microsoft.com Correspondent Name: MICROSOFT CORPORATION Address Line 1: ONE MICROSOFT WAY

Address Line 4: **REDMOND, WASHINGTON 98052**

ATTORNEY DOCKET NUMBER: 402736-US-NP **NAME OF SUBMITTER:** DAVID W. GRILLO **SIGNATURE:** /David W. Grillo/ DATE SIGNED: 09/01/2017

PATENT REEL: 043471 FRAME: 0847 504530553

Total Attachments: 16 source=402736-US-NP-ExecutedAssignment#page1.tif source=402736-US-NP-ExecutedAssignment#page2.tif source=402736-US-NP-ExecutedAssignment#page3.tif source=402736-US-NP-ExecutedAssignment#page4.tif source=402736-US-NP-ExecutedAssignment#page5.tif source=402736-US-NP-ExecutedAssignment#page6.tif source=402736-US-NP-ExecutedAssignment#page7.tif source=402736-US-NP-ExecutedAssignment#page8.tif source=402736-US-NP-ExecutedAssignment#page9.tif source=402736-US-NP-ExecutedAssignment#page10.tif source=402736-US-NP-ExecutedAssignment#page11.tif source=402736-US-NP-ExecutedAssignment#page12.tif source=402736-US-NP-ExecutedAssignment#page13.tif source=402736-US-NP-ExecutedAssignment#page14.tif source=402736-US-NP-ExecutedAssignment#page15.tif source=402736-US-NP-ExecutedAssignment#page16.tif

PATENT REEL: 043471 FRAME: 0848 I Rebecca Jean Ochs ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "OFF NODE SCANNING" ("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 31, 2017 and given Application No. 15/692,393 by
	the following Office United States Patent & 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 "";

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"));

Application No.	Filing Date	Office	

Rebecca John Ods Inventor's Signature	8/36/17 Date
Rebecca Jean Ochs	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Amrita Satapathy ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "OFF NODE SCANNING" ("APPLICATION"), which:

\boxtimes	will be filed. ASSIGNOR hereby authorizes, and requests	s,
	ASSIGNEE'S legal representative, Microsoft Technology Licensing	},
	LLC, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'	S
	LEGAL REPRESENTATIVES), to insert here in parentheses (file	d
	on <u>August 31, 2017</u> and given Application No. <u>15/692,393</u> b	У
	the following Office <u>United States Patent & Trademark Office</u>) thi	S
	APPLICATION's Application No., filing date, and Office, when knowr	١;
	was filed on and was given Application	
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Application No.	Filing Date	Office

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

Amrita Satapathy

Printed Name in English

Printed Name in Native Language

(if other than English)

1	Ran	nesh	Chinta	("AS	SSIGNOR	l") an	ı the	original	invento	r or	an	orig	jina	ıl joint
inventor	of	subj	ect m	atter	("INVE	MOIT	l") d	isclosed	and/or	clain	ned	in	a	patent
applicati	on e	ntitle	d " OF	F NOI	DE SCAN	INING	" ("A	PPLICATIO	ON"), whi	ch:				

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Application No.	Filing Date	Office	

Maria	8/28/2017
Inventor's Signature	Date
Ramesh Chinta	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Harini Parthasarathy ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled " OFF NODE SCANNING" ("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 August 31, 2017 and given Application No. 15/692,393 the following Office United States Patent & 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 "___"; 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

Whaii Harini Parthasarathy	8/30/2017	
Inventor's Signature	Date	
Harini Parthasarathy		
Printed Name in English	Printed Name in Native Language (if other than English)	

I Jeffrey Cooperstein ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled " OFF NODE SCANNING" ("APPLICATION"), which:

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

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"));

All 2-	8/30/17
Ińventor's Signature	Date
Jeffrey Cooperstein	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Mohamed Rouatbi ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "OFF NODE SCANNING" ("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
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	No by the following Office "";

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Application No.	Filing Date	Office

Carlot	08/30/2017
Inventor's Signature	Date
Mohamed Rouatbi	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 402736-US-NP

I Julian Federico Gonzalez ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "OFF NODE SCANNING" ("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
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No ______ by the following Office "___";

Application No.	Filing Date	Office

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"));

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inventor signature

Date

Julian Federico Gonzalez

Printed Name in English

Printed Name in Native Language

(if other than English)

inventor of	subject matter	("INVENTION") dis	original inventor or closed and/or clain LICATION"), which:	
	will be filed. ASSIGNEE'S legal LLC, One Microso LEGAL REPRESEN on the following	ASSIGNOR hereb representative, M oft Way, Redmond, TATIVES), to inse and given Ap Office	oy authorizes, and licrosoft Technology Washington 98052 (/ ert here in parenth plication No.	Licensing, ASSIGNEE'S eses (filedby) this
×		$3_{\underline{}}$ by the followi	as given Application ing Office " <u>United Sta</u>	<u>tes Patent</u>
of acquiring, priority, in the derived there United States	the entire and endine in the invention and ending in the interior and in the interior interio	clusive rights, titl the APPLICATION (ntinuing application d all foreign count	SIGNEE"), is entitled to e and interest, inclu- and all other applicat ns, in whole or in pa ries ("APPLICATION D , ASSIGNEE'S LEGAL R	ding the right of tions and patents rt, in and for the ERIVATIVES"));
to insert the		filing date, and O	ffice into the followi	
Application		Filing Date	Office	
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Inventor's Signature

Scott Antony Field

Printed Name in English

Date'

Printed Name in Native Language (if other than English)