

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4508628

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KIM HENRY MARTIN LAINE	01/17/2017
HAO CHEN	01/16/2017
GIZEM S. CETIN	01/16/2017
YUHOU XIA	01/16/2017
PETER B. RINDAL	01/26/2017
KRISTIN ESTELLA LAUTER	01/17/2017
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:	15630761
CORRESPONDENCE DATA	
Fax Number:	(509)755-7252
<i>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.</i>	
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ATTORNEY DOCKET NUMBER:	400562-US-NP
NAME OF SUBMITTER:	DAVID A. MORASCH, REG.# 42,905
SIGNATURE:	/ Dave Morasch 42905 /
DATE SIGNED:	07/18/2017

Total Attachments: 12

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I Kim Henry Martin Laine ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "String Matching on Encrypted Data" ("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 given Application No. _____ by the following Office _____) this APPLICATION's Application No., filing date, and Office, when known;
- was filed on January 9, 2017 and was given Application No 62/444,355 by the following Office "US";

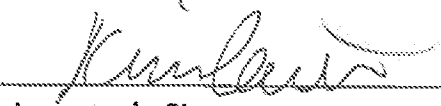
Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (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
15/630,761	June 22, 2017	US

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"));

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	<u>January 17, 2017</u> _____ Date
<u>Kim Henry Martin Laine</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Hao Chen ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "String Matching on Encrypted Data" ("APPLICATION"), which:

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_____ Inventor's Signature	_____ Date
Hao Chen	
_____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Gizem S. Cetin ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "String Matching on Encrypted Data" ("APPLICATION"), which:

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Application No.	Filing Date	Office
15/630,761	July 22, 2017	US

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Inventor's Signature



Date

01/16/17

Gizem S. Cetin

Printed Name in English

Printed Name in Native Language
(if other than English)

Gizem S. Cetin

I Yuhou Xia ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "String Matching on Encrypted Data" ("APPLICATION"), which:

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Inventor's Signature		Date	01/16/2017
Yuhou Xia Printed Name in English		Printed Name in Native Language (if other than English)	

I Peter B. Rindal ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "String Matching on Encrypted Data" ("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 given Application No. _____ by the following Office _____) this APPLICATION's Application No., filing date, and Office, when known;
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	1-26-2017
Inventor's Signature	Date
Peter B. Rindal	
Printed Name in English	Printed Name in Native Language (if other than English)

I Kristin Estella Lauter ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "String Matching on Encrypted Data" ("APPLICATION"), which:

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Inventor's Signature	Date
Kristin Estella Lauter	
Printed Name in English	Printed Name in Native Language (if other than English)