

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5053061

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the RECEIVING PARTY DATA, PREVIOUSLY RECORDED INCORRECTLY AS "MICROSOFT TECHNOLOGY LICENSING, LLC." previously recorded on Reel 040160 Frame 0813. Assignor(s) hereby confirms the ASSIGNMENT.
CONVEYING PARTY DATA	
Name	Execution Date
MEI LIANG	08/11/2016
WEI LUO	08/22/2016
LINGZHI SUN	08/15/2016
NAVENDU JAIN	08/11/2016
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:	15245675
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Email:	usdocket@microsoft.com
Correspondent Name:	SCHWEGMAN LUNDBERG & WOESSNER P.A.
Address Line 1:	P.O. BOX 2938
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402-0938
ATTORNEY DOCKET NUMBER:	358402-US-NP(1777.231US1)
NAME OF SUBMITTER:	TYLYN MOORE
SIGNATURE:	/tylyn moore/
DATE SIGNED:	07/17/2018
Total Attachments: 11	
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4119076

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MEI LIANG	08/11/2016
NAVENDU JAIN	08/11/2016
WEI LUO	08/22/2016
LINGZHI SUN	08/15/2016
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:	15245675
CORRESPONDENCE DATA	
Fax Number:	(509)323-8979
<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>	
Phone:	509-324-9256
Email:	janettea@leehayes.com
Correspondent Name:	LEE & HAYES, PLLC
Address Line 1:	601 W. RIVERSIDE AVENUE
Address Line 2:	SUITE 1400
Address Line 4:	SPOKANE, WASHINGTON 99201
ATTORNEY DOCKET NUMBER:	MS1-6312US
NAME OF SUBMITTER:	JANETTE ABERNATHY
SIGNATURE:	/Janette Abernathy/
DATE SIGNED:	10/28/2016
Total Attachments: 8	
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PATENT ASSIGNMENT

MS Docket No.: 358402.01

Attorney Docket No.: MS1- 6312US

I, Mei Liang ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled

CHARACTERISTIC-PATTERN ANALYSIS OF TEXT

("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 24, 2016 and given Application No. 15/245,675 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 US - United States Patent and Trademark 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


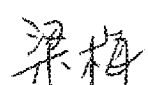
PATENT ASSIGNMENT

MS Docket No.: 358402.01

Attorney Docket No.: MS1- 6312US

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).

	8/11/2016
Inventor's Signature	Date
Mei Liang	
Printed Name in English	Printed Name in Native Language (if other than English)

I Wei Luo ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled

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	08/22/2016
Inventor's Signature	Date
Wei Luo	罗薇
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

MS Docket No.: 358402.01Attorney Docket No.: MS1- 6312US

I, Lingzhi Sun ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled

CHARACTERISTIC-PATTERN ANALYSIS OF TEXT

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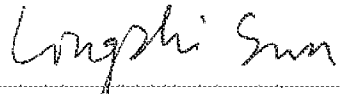
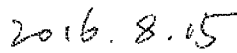
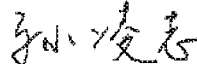
PATENT ASSIGNMENT

MS Docket No.: 358402.01

Attorney Docket No.: MS1- 6312US

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Inventor's Signature	Date
Lingzhi Sun	
Printed Name in English	Printed Name in Native Language (if other than English)

I Navendu Jain ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled

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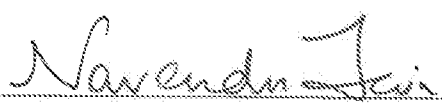
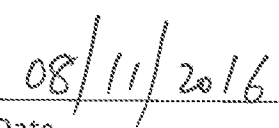
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Inventor's Signature	Date
Navendu Jain	
Printed Name in English	Printed Name in Native Language (if other than English)