

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BO YANG	12/07/2020
CHAOFAN HUANG	12/07/2020
SONGTAO GUO	12/07/2020
ROBERT PERRIN REEVES	12/07/2020
WAN QI GAO	12/07/2020
PATRICK RYAN DRISCOLL	12/07/2020
KRISTINA CAROLINE RYAN	12/07/2020
MICHAEL MARIO JENNINGS	12/07/2020
JEREMY LWANGA	12/07/2020
MANZARUL AZAD KAZI	12/07/2020
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:	17116184
CORRESPONDENCE DATA	
Fax Number:	(612)339-3061
<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:	612-373-6900
Email:	USPTO@slwip.com
Correspondent Name:	SCHWEGMAN LUNDBERG & WOESSNER / LINKEDIN
Address Line 1:	PO BOX 2938
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	902688-US-NP 3080.N95US1

NAME OF SUBMITTER:	DAWN DRAPER
SIGNATURE:	/Dawn R. Draper/
DATE SIGNED:	12/09/2020
Total Attachments: 20 source=3080_N95US1assignsigned#page1.tif source=3080_N95US1assignsigned#page2.tif source=3080_N95US1assignsigned#page3.tif source=3080_N95US1assignsigned#page4.tif source=3080_N95US1assignsigned#page5.tif source=3080_N95US1assignsigned#page6.tif source=3080_N95US1assignsigned#page7.tif source=3080_N95US1assignsigned#page8.tif source=3080_N95US1assignsigned#page9.tif source=3080_N95US1assignsigned#page10.tif source=3080_N95US1assignsigned#page11.tif source=3080_N95US1assignsigned#page12.tif source=3080_N95US1assignsigned#page13.tif source=3080_N95US1assignsigned#page14.tif source=3080_N95US1assignsigned#page15.tif source=3080_N95US1assignsigned#page16.tif source=3080_N95US1assignsigned#page17.tif source=3080_N95US1assignsigned#page18.tif source=3080_N95US1assignsigned#page19.tif source=3080_N95US1assignsigned#page20.tif	

I Bo YANG (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “REVERSAL-POINT-BASED DETECTION AND RANKING”, 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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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).

<u>Bo Yang</u>	<u>12/07/2020</u>
Inventor's Signature	Date
<u>Bo YANG</u>	<u></u>
Printed Name in English	Printed Name in Native Language (if other than English)

I Chaofan HUANG (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “REVERSAL-POINT-BASED DETECTION AND RANKING”, which:

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	12/07/2020
Inventor's Signature	Date
Chaofan HUANG	黄超凡
Printed Name in English	Printed Name in Native Language (if other than English)

I Songtao GUO (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “REVERSAL-POINT-BASED DETECTION AND RANKING”, which:

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	2020-12-07
_____ Inventor's Signature	_____ Date
Songtao GUO	郭嵩涛
_____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Robert Perrin REEVES (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “REVERSAL-POINT-BASED DETECTION AND RANKING”, which:

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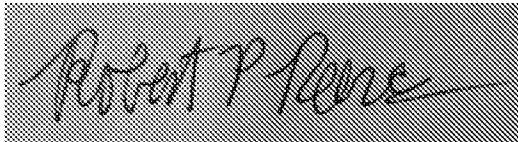
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	12/07/2020
_____ Inventor's Signature	_____ Date
Robert Perrin REEVES _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Wan Qi GAO (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “REVERSAL-POINT-BASED DETECTION AND RANKING”, which:

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	Dec 7, 2020
_____ Inventor's Signature	_____ Date
Wan Qi GAO	高宛琪
_____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Patrick Ryan DRISCOLL (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “REVERSAL-POINT-BASED DETECTION AND RANKING”, which:

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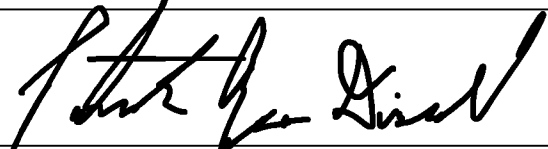
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	12/7/20
_____ Inventor's Signature	_____ Date
Patrick Ryan DRISCOLL	
_____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Kristina Caroline RYAN (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “REVERSAL-POINT-BASED DETECTION AND RANKING”, which:

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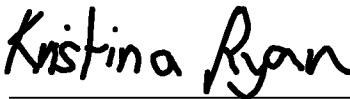
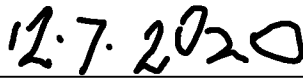
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_____ Inventor's Signature	_____ Date
Kristina Caroline RYAN _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Michael Mario JENNINGS (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “REVERSAL-POINT-BASED DETECTION AND RANKING”, which:

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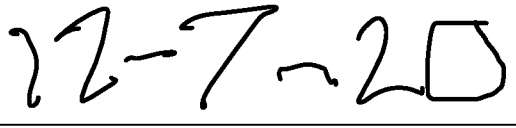
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 _____ Inventor's Signature	 _____ Date
Michael Mario JENNINGS _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

NP

I Jeremy LWANGA (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “REVERSAL-POINT-BASED DETECTION AND RANKING”, which:

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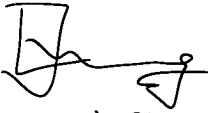
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Inventor's Signature	
Jeremy LWANGA	Date 12/7/2020
Printed Name in English (if other than English)	Printed Name in Native Language

I Manzarul Azad KAZI (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “REVERSAL-POINT-BASED DETECTION AND RANKING”, which:

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	12/07/2020
_____ Inventor's Signature	_____ Date
Manzarul Azad KAZI	_____ Printed Name in Native Language (if other than English)
_____ Printed Name in English	