505553648 07/01/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5600449

| SUBMISSION TYPE: | NEW ASSIGNMENT |
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| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------------|----------------|
| ZHANG LI | 07/01/2019 |
| JUHI AMITKUMAR NAIK | 07/01/2019 |
| SUSAN MICHELE HENDRICH | 07/01/2019 |
| MICHAEL WILSON DANIELS | 07/01/2019 |
| CHRISTOPHER BRIAN QUIRK | 07/01/2019 |
| CHRISTOPHER JOHN BROCKETT | 06/28/2019 |
| ALICE YINGMING LAI | 07/01/2019 |

RECEIVING PARTY DATA

| Name: | MICROSOFT TECHNOLOGY LICENSING, LLC |
|-----------------|-------------------------------------|
| Street Address: | ONE MICROSOFT WAY |
| City: | REDMOND |
| State/Country: | WASHINGTON |
| Postal Code: | 98052-6399 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16459576 |

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.

Phone: 202-559-9159

Email: shiflett@novotechip.com, usdocket@microsoft.com

Correspondent Name: NOVOTECHIP INTERNATIONAL PLLC

Address Line 1: 1717 PENNSYLVANIA AVE. NW

Address Line 2: SUITE #1025

Address Line 4: WASHINGTON, D.C. 20006

| ATTORNEY DOCKET NUMBER: | 406697-US-NP/170101-342 |
|-------------------------|-------------------------|
| NAME OF SUBMITTER: | AZADEH KHADEM |
| SIGNATURE: | /Azadeh Khadem/ |
| DATE SIGNED: | 07/01/2019 |

505553648 REEL: 049647 FRAME: 0886

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Total Attachments: 14 source=20190701_170101-342_Assignments#page1.tif source=20190701_170101-342_Assignments#page2.tif source=20190701_170101-342_Assignments#page3.tif source=20190701_170101-342_Assignments#page4.tif source=20190701_170101-342_Assignments#page5.tif source=20190701_170101-342_Assignments#page6.tif source=20190701_170101-342_Assignments#page7.tif source=20190701_170101-342_Assignments#page8.tif source=20190701_170101-342_Assignments#page9.tif source=20190701_170101-342_Assignments#page10.tif source=20190701_170101-342_Assignments#page11.tif source=20190701_170101-342_Assignments#page12.tif source=20190701_170101-342_Assignments#page12.tif source=20190701_170101-342_Assignments#page13.tif source=20190701_170101-342_Assignments#page13.tif source=20190701_170101-342_Assignments#page14.tif

PATENT REEL: 049647 FRAME: 0887

| Ι, | Zhang | LI ("AS | SIGNOR") | , am t | he c | riginal | inventor | or ar | n original | joint | inventor | of |
|-----------|-----------|------------|--------------|--------|------|---------|-------------|-------|------------|---------|----------|----|
| subject m | atter ("I | NVENTI | (ON'') discl | osed a | nd/o | r claim | ed in a pat | ent a | plication | entitle | d "Meth | od |
| and Syste | em for | Intelligen | itly Sugges | ting P | ara | phrases | i" ("APPI | JICA | TION"), v | vhich: | | |

- 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 July 1, 2019 and given Application No. 16/459,576 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

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:

| Filing Date | Office | |
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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"));

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation

Page 1 of 2

PATENT ASSIGNMENT

MS Docket No.: 406697-US-NP NovoTechIP Docket No.: 170101-342

regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

| zhang Li | 07/01/2019 |
|-------------------------|---------------------------------|
| Inventor's Signature | Date |
| Zhang Li | 李 季 |
| Printed Name in English | Printed Name in Native Language |
| | (if other than English) |

REEL: 049647 FRAME: 0889

I, Juhi Amitkumar NAIK ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Method and System for Intelligently Suggesting Paraphrases" ("APPLICATION"), which:

| \boxtimes | will be fi | iled. ASSI | GNOR her | eby au | thorizes | , and | requests, | ASSIGN | EE'S |
|-------------|------------|-------------------|-------------|---------|----------|--------|-------------|-----------|-------|
| | legal rep | resentative, | Microsoft | Techno | ology L | icensi | ng, LLC, | One Micr | osoft |
| | Way, | Redmond, | Washin | gton | 98052 | (A | SSIGNEE | e's le | GAL |
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| | APPLIC | ATION's A | application | No., fi | ling dat | e, and | l Office, v | vhen knov | νπ; |

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| Application No. | Filing Date | Office |
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| Inventor's Signature | Date |
| Juhi Amitkumar NAIK | |
| Printed Name in English | Printed Name in Native Language (if other than English) |

I, Susan Michele HENDRICH ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Method and System for Intelligently Suggesting Paraphrases" ("APPLICATION"), which:

| X | 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 |
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| | following Office US - United States Patent and Trademark 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).

Susan Michele HENDRICH
Printed Name in English

Printed Name in English

Printed Name in Native Language (if other than English)

I, Michael Wilson DANIELS ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Method and System for Intelligently Suggesting Paraphrases" ("APPLICATION"), which:

| X | will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S |
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| Inventor's Signature | Date |
| Michael Wilson DANIELS | |
| Printed Name in English | Printed Name in Native Language (if other than English) |

I, Christopher Brian QUIRK ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Method and System for Intelligently Suggesting Paraphrases" ("APPLICATION"), which:

| X | will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S |
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PATENT ASSIGNMENT

MS Docket No.: 406697-US-NP NovoTechIP Docket No.: 170101-342

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| • | Christopher Brian QUIRK | |
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|) | I, Christophe | r John BRC | CKETT (" | ASSIGNO | R"), am the | original in | ventor or | an original |
|-----------|---------------|---------------|--------------|-------------|-------------|-------------|--------------|-------------|
| joint inv | entor of sub | ject matter (| "INVENT | ION") discl | osed and/or | claimed in | n a patent a | application |
| entitled | "Method as | nd System 1 | for Intellig | ently Sugg | esting Para | phrases" | ("APPLIC | ATION"), |
| which: | | | | | | | | |

| \boxtimes | will be file | ed. ASSIG | NOR her | eby au | thorizes | , and | requests, | ASSIG | NEE' | 'S |
|-------------|-----------------------|-------------------------------|------------|--------|----------|--------|---------------------|-------|-------------|----|
| | legal repre | sentative, N | /licrosoft | Techno | ology Li | icensi | ng, LLC, | One M | icroso | ft |
| | Way, R | edmond, | Washin | gton | 98052 | (A | SSIGNE | E'S I | LEGA | L |
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MS Docket No.: 406697-US-NP NovoTechIP Docket No.: 170101-342

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| | Inventor's Signature | Date |
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| | Christopher John BROCKETT | |
| | Printed Name in English | Printed Name in Native Language |
| | <u> </u> | (if other than English) |
| | | |

I, Alice Yingming LAI ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Method and System for Intelligently Suggesting Paraphrases" ("APPLICATION"), which:

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| Inventor's Signature | July 1, 2019 Date |
| Alice Yingming LAI Printed Name in English | Printed Name in Native Language |
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