# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6671632

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

#### **CONVEYING PARTY DATA**

| Name                        | Execution Date |
|-----------------------------|----------------|
| MARK ALISTAIR WILSON-THOMAS | 04/22/2021     |
| JONATHAN KEITH SIMMONS      | 04/22/2021     |
| DAVID ELLIS PUGH            | 04/22/2021     |
| VIVIAN JULIA LIM            | 04/22/2021     |
| ANQI LI                     | 04/22/2021     |
| SHWETHA SRINATH             | 04/22/2021     |
| GERMAN DAVID OBANDO CHACON  | 04/22/2021     |
| JIN WOO JANG                | 04/22/2021     |
| SHENGYU FU                  | 04/22/2021     |
| SHAO KUN DENG               | 04/22/2021     |

#### **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: | 17237936 |

#### **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:** 425-538-9035

Email: usdocket@microsoft.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

**ATTORNEY DOCKET NUMBER:** 409773-US-NP

PATENT REEL: 056011 FRAME: 0604

506624823

| NAME OF SUBMITTER:   | JOHN OGILVIE  |  |  |  |  |  |
|--|---|--|--|--|--|--|
| SIGNATURE:   | /John Ogilvie/  |  |  |  |  |  |
| DATE SIGNED:   | 04/22/2021  |  |  |  |  |  |
| Total Attachments: 20  |   |  |  |  |  |  |
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PATENT REEL: 056011 FRAME: 0605

| I, Anqi LI ("ASSIGNOR"), am the original inventor or an original joint inventor of     |
|--|
| subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled |
| "PROVISIONAL SELECTION DRIVES EDIT SUGGESTION GENERATION" ("APPLICATION"),             |
| which <sup>.</sup>   |

| $\boxtimes$  | will be filed.  | ASSIGNOR       | hereby    | authorizes,    | and    | requests    |  |
|--|-----------------|----------------|-----------|----------------|--------|-------------|--|
|  | ASSIGNEE'S leg  | al representat | ive, Micr | osoft Techno   | ology  | Licensing   |  |
| LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGN |                 |                |           |                |        |             |  |
|  | LEGAL REPRESE   | NTATIVES), to  | insert h  | ere in paren   | these  | s (filed on |  |
|  | and given Appl  | cation No      |           | by the         | follow | ing Office  |  |
|  | ) this APPLICAT | ION's Applicat | tion No., | filing date, a | nd Of  | fice, when  |  |
|  | known;          |                |           |                |        |             |  |
|  |                 |                |           |                |        |             |  |
|  | was filed on    | an             | d was giv | en Applicatio  | n No.  |             |  |
|  |                 | by the follow  | wing Offi | ce "           | ".     |             |  |

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 |
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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"));

| Anali                   | 4122/2021                       |  |  |
|-------------------------|---------------------------------|--|--|
| Inventor's Signature    | Date                            |  |  |
|                         | 李安琪                             |  |  |
| Anqi Ll                 |                                 |  |  |
| Printed Name in English | Printed Name in Native Language |  |  |
|                         | (if other than English)         |  |  |

| I,          | Davi | id Ellis | PUGH ("A   | ASSIGNO | )R"), am | the origi | nal in | ventor | or an  | orig | jina | ıl joint |
|-------------|------|----------|------------|---------|----------|-----------|--------|--------|--------|------|------|----------|
| inventor    | of   | subjec   | t matter   | ("INVE  | NTION")  | disclose  | d and  | /or c  | laimed | in   | a    | patent   |
| application | on e | ntitled  | "PROVISION | ONAL SI | ELECTION | N DRIVES  | EDIT S | SUGGE  | STION  | GEN  | ER/  | ATION"   |
| ("APPLICA   | ATIO | N"), wł  | nich:      |         |          |           |        |        |        |      |      |          |

| $\boxtimes$ | will be   | filed.    | ASSIGNOR      | hereby    | authorizes,  | and     | requests,   |
|-------------|-----------|-----------|---------------|-----------|--------------|---------|-------------|
|             | ASSIGNE   | E'S legal | representat   | ive, Micr | osoft Techn  | ology   | Licensing,  |
|             | LLC., On  | e Microso | oft Way, Redi | mond, Wa  | ashington 98 | 3052 (A | ASSIGNEE'S  |
|             | LEGAL R   | EPRESEN   | TATIVES), to  | insert h  | ere in pare  | nthese  | s (filed on |
|             | and give  | n Applica | ation No      |           | by the       | follov  | ving Office |
|             | ) this AP | PLICATIO  | N's Applicat  | ion No.,  | filing date, | and Of  | fice, when  |
|             | known;    |           |               |           |              |         |             |
|             |           |           |               |           |              |         |             |
|             | was filed | d on      | an            | d was giv | en Applicati | on No   | •           |
|             |           |           | by the follow | wing Offi | ce "         | ".<br>' |             |

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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).

David Ellis PUGH
Printed Name in English

Printed Name in English

Printed Name in Native Language (if other than English)

| ratentacordinivient — wo docactive 40x7/5*Oc*i | PAT | TENT | ASSIGNMENT | MS Docket No.: | 409773-US-N |
|--|-----|------|------------|----------------|-------------|
|--|-----|------|------------|----------------|-------------|

I, German David OBANDO CHACON ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PROVISIONAL SELECTION DRIVES EDIT SUGGESTION GENERATION" ("APPLICATION"), which:

| $\boxtimes$ | will be filed.  | ASSIGNOR       | hereby     | authorizes,   | and     | requests,  |
|-------------|---|----------------|------------|---------------|---------|------------|
|             | ASSIGNEE'S legi   | al representat | ive, Micro | osoft Techno  | ology I | icensing,  |
|             | LLC., One Micro   | soft Way, Red  | mond, Wa   | shington 986  | )52(A   | SSIGNEE'S  |
|             | LEGAL REPRESE   | NTATIVES), to  | insert h   | ere in parent | heses   | (filed on  |
|             | and given Appli   | cation No.     |            | by the        | follow  | ing Office |
|             | ) this APPLICATION's Application No., filing date, and Office, when |                |            |               |         |            |
|             | known;  |                |            |               |         |            |
|             | was filed on  | an             | d was giv  | en Applicatio | n No.   |            |
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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"));

| David Ober L. Inventor's Signature | <u>April 22 2021</u><br>Date                               |
|------------------------------------|--|
| German David OBANDO CHACON         |  |
| Printed Name in English            | Printed Name in Native Language<br>(if other than English) |

| <b>PATENT</b>                           | <b>ASSIGNN</b> | <b>IFNT</b> |
|---|----------------|-------------|
| * | TROBUST        |             |

MS Docket No.: 409773-US-NP

I, Jin Woo JANG ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PROVISIONAL SELECTION DRIVES EDIT SUGGESTION GENERATION" ("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 or     |
|             | and given Application No by the following Office                    |
|             | ) this APPLICATION's Application No., filing date, and Office, wher |
|             | 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"));

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| Application No. | Filing Date | Office |   |
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PATENT ASSIGNMENT

MS Docket No.: 409773-US-NP

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"));

|                         | April 22 <sup>nd</sup> , 2021   |
|-------------------------|---------------------------------|
| Inventor's Signature    | Date                            |
| Jin Woo JANG            | 장진우                             |
| Printed Name in English | Printed Name in Native Language |
|                         | (if other than English)         |

I, Jonathan Keith SIMMONS ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PROVISIONAL SELECTION DRIVES EDIT SUGGESTION GENERATION" ("APPLICATION"), which:

| $\boxtimes$   | will be filed     | . ASSIGNOR      | hereby     | authorizes,   | and    | requests    |
|---|-------------------|-----------------|------------|---------------|--------|-------------|
|   | ASSIGNEE'S le     | gal representat | tive, Micr | osoft Techno  | ology  | Licensing   |
| LLC., One Microsoft Way, Redmond, Washington 98052 (ASSI  |                   |                 |            |               |        |             |
|   | LEGAL REPRES      | ENTATIVES), to  | insert h   | ere in paren  | these  | s (filed on |
|   | and given App     | lication No     |            | by the        | follow | ing Office  |
| ) this APPLICATION's Application No., filing date, and Of |                   |                 |            |               |        | fice, when  |
|   | known;            |                 |            |               |        |             |
|   |                   |                 |            |               |        |             |
|   | was filed on $\_$ | an              | d was giv  | en Applicatio | n No.  |             |
|   |                   | by the follo    | wing Offi  | ce "          | ".     |             |

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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"));

| JK5                     | 4/22/2021                       |
|-------------------------|---------------------------------|
| Inventor's Signature    | Date                            |
| Jonathan Keith SIMMONS  |                                 |
| Printed Name in English | Printed Name in Native Language |
|                         | (if other than English)         |

|         | , Mark Alista  | ıir WILSOI | N-THOMAS ("AS    | SIGNOR"), an | n the or | iginal ir | iventor or an     |
|---------|----------------|------------|------------------|--------------|----------|-----------|-------------------|
| origina | l joint invent | or of sub  | ject matter ("IN | VENTION") d  | isclosed | and/or    | claimed in a      |
| patent  | application    | entitled   | "PROVISIONAL     | SELECTION    | DRIVES   | EDIT      | <b>SUGGESTION</b> |
| GENERA  | ATION" ("APPI  | LICATION'  | '), which:       |              |          |           |                   |

| M | will be filed. A      | SSIGNOR hereby    | authorizes,      | and requests     |
|---|-----------------------|-------------------|------------------|------------------|
|   | ASSIGNEE'S legal re   | presentative, Mid | crosoft Techno   | ology Licensing  |
|   | LLC., One Microsoft   | Way, Redmond, W   | ashington 98/    | 052 (ASSIGNEE'S  |
|   | LEGAL REPRESENTA      | TIVES), to insert | here in paren    | theses (filed or |
|   | and given Application | on No             | by the           | following Office |
|   | ) this APPLICATION'   | s Application No. | , filing date, a | nd Office, wher  |
|   | known;                |                   |                  |                  |
|   |                       |                   |                  |                  |
|   | was filed on          | and was g         | iven Applicatio  | n No.            |
|   | by                    | the following Off | ice "            | <b>"</b>         |
|   |                       |                   |                  |                  |

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Inventor's Signature Date

Mark Alistair WILSON-THOMAS

Printed Name in English Printed Name in Native Language
(if other than English)

| I,        | Sha  | o Kun D   | ENG ("A  | SSIGNOR") | , am t | he origina | al invente | or or an  | origir | ıal joint |
|-----------|------|-----------|----------|-----------|--------|------------|------------|-----------|--------|-----------|
| inventor  | of   | subject   | matter   | ("INVENT  | ION")( | disclosed  | and/or     | claimed   | in a   | patent    |
| applicati | on e | ntitled " | PROVISIO | ONAL SELE | CTION  | DRIVES E   | DIT SUGO   | SESTION ( | GENER  | RATION"   |
| ("APPLICA | 4TIC | N"), whi  | ch:      |           |        |            |            |           |        |           |

| $\boxtimes$ | will be   | filed.    | ASSIGNOR      | hereby    | authorizes,    | and    | requests,   |
|-------------|-----------|-----------|---------------|-----------|----------------|--------|-------------|
|             | ASSIGNE   | E'S legal | representat   | ive, Micr | osoft Techno   | ology  | Licensing,  |
|             | LLC., On  | e Microso | oft Way, Redi | mond, Wa  | ashington 980  | )52 (A | \SSIGNEE'S  |
|             | LEGAL R   | EPRESEN   | TATIVES), to  | insert h  | ere in paren   | these  | s (filed on |
|             | and give  | n Applica | ation No      |           | by the         | follov | ing Office  |
|             | ) this AP | PLICATIO  | N's Applicat  | ion No.,  | filing date, a | nd Of  | fice, when  |
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| 登了人人                    | April 22, 2021                  |
|-------------------------|---------------------------------|
| Inventor's Signature    | Date                            |
| Shao Kun DENG           |                                 |
| Printed Name in English | Printed Name in Native Language |
|                         | (if other than English)         |

| I, Shengyu FU ("ASSIGNOR"), am the original inventor or an original joint invento        |
|--|
| of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitle |
| "PROVISIONAL SELECTION DRIVES EDIT SUGGESTION GENERATION" ("APPLICATION")                |
| which:   |

| $\boxtimes$ | will be   | filed.               | ASSIGNOR      | hereby    | authori   | zes, a  | nd    | reques   | its, |
|-------------|-----------|----------------------|---------------|-----------|-----------|---------|-------|----------|------|
|             | ASSIGNE   | E'S legal            | representat   | ive, Micr | osoft Te  | chnolo  | gy I  | _icensii | ng,  |
|             | LLC., On  | e Microso            | oft Way, Redi | mond, Wa  | ashingtoi | า 9805  | 2 (A  | SSIGNE   | E'S  |
|             | LEGAL R   | EPRESEN <sup>*</sup> | TATIVES), to  | insert h  | ere in p  | arenth  | eses  | (filed   | on   |
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|             | known;    |                      |               |           |           |         |       |          |      |
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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 |
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| Long                    | 4/22/2021                       |
|-------------------------|---------------------------------|
| Inventor's Signature    | Date                            |
| Shengyu FU              |                                 |
| Printed Name in English | Printed Name in Native Language |
|                         | (if other than English)         |

| I, Sh       | wetha SRI  | NATH ("  | ASSIGNOR"), am | ı the origin | al invent | tor or an | origin | al joint |
|-------------|------------|----------|----------------|--------------|-----------|-----------|--------|----------|
| inventor of | subject    | matter   | ("INVENTION")  | disclosed    | and/or    | claimed   | in a   | patent   |
| application | entitled " | PROVISIO | ONAL SELECTION | N DRIVES E   | DIT SUG   | GESTION ( | GENER  | ATION"   |
| ("APPLICATI | ON"), whi  | ch:      |                |              |           |           |        |          |

| $\boxtimes$ | will be   | filed.    | ASSIGNOR      | hereby    | authorizes,    | and    | requests,   |
|-------------|-----------|-----------|---------------|-----------|----------------|--------|-------------|
|             | ASSIGNE   | E'S legal | representat   | ive, Micr | osoft Techno   | ology  | Licensing,  |
|             | LLC., On  | e Microso | oft Way, Redi | mond, Wa  | ashington 980  | )52 (A | \SSIGNEE'S  |
|             | LEGAL R   | EPRESEN   | TATIVES), to  | insert h  | ere in paren   | these  | s (filed on |
|             | and give  | n Applica | ation No      |           | by the         | follov | ing Office  |
|             | ) this AP | PLICATIO  | N's Applicat  | ion No.,  | filing date, a | nd Of  | fice, when  |
|             | known;    |           |               |           |                |        |             |
|             |           |           |               |           |                |        |             |
|             | was filed | d on      | an            | d was giv | en Applicatio  | n No.  | J.          |
|             |           |           | by the follow | wing Offi | ce "           | ".     |             |

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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"));

| Wight                   | 04/22/21                        |
|-------------------------|---------------------------------|
| Inventor's Signature    | Date                            |
| Shwetha SRINATH         |                                 |
| Printed Name in English | Printed Name in Native Language |
|                         | (if other than English)         |

| I,        | Vivi | an Jul   | ia LI | M ("AS | SIGNO  | R"), am | the or | iginal | invento | or or an | orig | inal | joint |
|-----------|------|----------|-------|--------|--------|---------|--------|--------|---------|----------|------|------|-------|
| inventor  | of   | subje    | ct n  | natter | ("INVE | NTION") | disclo | sed    | and/or  | claimed  | in   | a p  | atent |
| applicati | on e | entitled | l "PR | OVISIO | NAL S  | ELECTIO | N DRIV | 'ES ED | IT SUGO | GESTION  | GENE | ERA  | TION" |
| ("APPLIC  | ATIC | )N"), w  | hich  | :      |        |         |        |        |         |          |      |      |       |

| $\boxtimes$ | will be filed.  | ASSIGNOR       | hereby    | authorizes,    | and    | requests    |
|-------------|-----------------|----------------|-----------|----------------|--------|-------------|
|             | ASSIGNEE'S lega | al representat | ive, Micr | osoft Techno   | ology  | Licensing   |
|             | LLC., One Micro | soft Way, Redi | mond, Wa  | ashington 980  | 052 (4 | ASSIGNEE'S  |
|             | LEGAL REPRESE   | NTATIVES), to  | insert h  | ere in paren   | these  | s (filed on |
|             | and given Appli | cation No      |           | by the         | follov | ving Office |
|             | ) this APPLICAT | ON's Applicat  | tion No., | filing date, a | nd Of  | fice, when  |
|             | known;          |                |           |                |        |             |
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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"));

| Inventor's Signature    | U/22/2021<br>Date               |
|-------------------------|---------------------------------|
| Vivian Julia LIM        |                                 |
| Printed Name in English | Printed Name in Native Language |
|                         | (if other than English)         |