### 506329851 10/30/2020

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

#### **CONVEYING PARTY DATA**

| Name                   | Execution Date |
|------------------------|----------------|
| JINWON YOOK            | 10/22/2020     |
| MIN FANG               | 10/09/2020     |
| SIMON CAMERON DEARSLEY | 10/07/2020     |

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|-----------------|-----------------------|
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| City:           | REDMOND               |
| State/Country:  | WASHINGTON            |
| Postal Code:    | 98052                 |

#### **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 29753372 |

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NAME OF SUBMITTER: JOHN M. FLEMING

SIGNATURE: /John M. Fleming/

DATE SIGNED: 10/30/2020

#### **Total Attachments: 3**

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PATENT 506329851 REEL: 054218 FRAME: 0689

## PATENT ASSIGNMENT

| I, Jinwon YOOK ('ASSIGNOR' subject matter ('INVENTION') disclos <b>'KEYBOARD'</b> ('APPLICATION'), which  | ed and/or claimed in a pate  | • •   |
|---|--|---|
| legal representativ<br>Corporation, One<br>LEGAL REPRESE  | Microsoft Way, Redmond, \ ENTATIVES), to insert here  and given Application No) this   | ate Affairs Department, Microsoft<br>Washington 98052 (ASSIGNEE'S   |
|   | 2020, and was given U.S. S<br>It and Trademark Office  | Serial No. 29/753372  |
| Microsoft Corporation, a Wasl and assigns ('ASSIGNEE'), is entitled rights, title and interest, including the (and all other applications and patents whole or in part, in and for the United ('APPLICATION DERIVATIVES'));  ASSIGNOR hereby authorizes REPRESENTATIVES to insert the Apfor any APPLICATION DERIVATIVES                                     | I to, and is desirous of acquiright of priority, in the INVEIs derived therefrom, such a States, its territories, and as, and requests, ASSIGNEE oplication No., filing date, ar   | NTION and the APPLICATION as continuing applications, in all foreign countries  E'S LEGAL   |
| Application No.   | Filing Date  | Office  |
| Y   |  |   |
| For good and valuable considenthe ASSIGNOR, the ASSIGNOR here ASSIGNOR's entire and exclusive rig INVENTION and the APPLICATION (such as continuing applications, in whand all foreign countries ('APPLICATION ASSIGNOR agrees to execute and prosecution of the APPLICATION regarding letters patent derived therefor to the APPLICATION (and APPLICATION) | eby sells, assigns and trans<br>hts, title and interest, include<br>and all other applications a<br>hole or in part, in and for the<br>ON DERIVATIVES'));<br>e all instruments and docum<br>I (and APPLICATION DER<br>from, and for the purpose or | fers to the ASSIGNEE, the sling the right of priority, in the nd patents derived therefrom, but United States, its territories, nents required for the making IVATIVES), for litigation |
| 出たれ   | 2020.10,   | 22  |
| Jinwon YOOK   | Date   |   |
| Printed Name in English   | Printed Name in N  | Native Language (non-English)   |

PATENT REEL: 054218 FRAME: 0690

# PATENT ASSIGNMENT

| I, Min FAI<br>subject matter ('Il<br>'KEYBOARD' ('/  | NVENTION"  | ) disclosed ar  |  |  | inal joint inver<br>oplication entitl   |  |
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|  | legal repr<br>Corporati  | esentatives, con, One Micro   | of the Law and<br>psoft Way, Red   | Corporate Aldmond, Wast  | quests, ASSIC<br>ffairs Departm<br>hington 98052<br>arentheses (file<br>by<br>LICATION's A    | ent, Microsoft<br>(ASSIGNEE'S                                  |
| X  |  |   | and was give<br>I Trademark C  |  | No. 29/75337  | 2  |
| and assigns ('AS<br>rights, title and in<br>(and all other app<br>whole or in part, I<br>('APPLICATION | SIGNEE'), includications and for the DERIVATIVI DERIVATIVI DERIVATIVI DERIVATIVI DES to inse   | s entitled to, a<br>ding the right<br>of patents deri<br>e United State<br>ES'));<br>uthorizes, and<br>ert the Applica                | ind is desirous<br>of priority, in the<br>ived therefrom<br>its, its territoried<br>the requests, AS<br>tion No., filing                       | of acquiring,<br>he INVENTIO<br>i, such as cor<br>is, and all for<br>SIGNEE'S Li<br>date, and Of   | N and the AP<br>ntinuing applic<br>elgn countries<br>EGAL                                     | d exclusive<br>PLICATION<br>ations, in                         |
| Applicati  | on No.   |   | Filing Date  |  | Office  |  |
|  |  |   |  |  |   |  |
| the ASSIGNOR,<br>ASSIGNOR's en<br>INVENTION and<br>such as continuir<br>and all foreign co             | the ASSIGN tire and excithe APPLIC gapplication ountries ('APDR agrees to patent derivite and the APPL patent derivite exception of the APPL patent derivited exception of th | IOR hereby solusive rights, to carrier in whole constitution of execute all indication (and the from, and the refrom, and the refrom, | ells, assigns a<br>litle and interes<br>all other applic<br>or in part, in ar<br>DERIVATIVES<br>nstruments and<br>APPLICATIC<br>and for the pu | nd transfers to the transfers to the transfer to the Uniter to the Unite | he right of pric<br>atents derived<br>ted States, its<br>required for the<br>IVES), for litig | IEE, the ority, in the therefrom, territories, he making ation |
|  | MIN  | FANG  |  | 1019   | 12020   |  |
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PATENT REEL: 054218 FRAME: 0691

# PATENT ASSIGNMENT

| I, Simon Cameron DEARSL inventor of subject matter ('INVENT entitled 'KEYBOARD' ('APPLICATION')   | ION') disclosed and/or claim   | ginal inventor or an original joint<br>ed in a patent application   |  |
|---|--|---|--|
| legal representa<br>Corporation, On<br>LEGAL REPRE<br>Office<br>filing date, and O  | le Microsoft Way, Redmond, SENTATIVES), to insert here and given Application No.   | ate Affairs Department, Microsoft<br>Washington 98052 (ASSIGNEE'S<br>in parentheses (filed on<br>by the following<br>APPLICATION's Application No., |  |
| by the U.S. Pat   | ent and Trademark Office   |   |  |
| Microsoft Corporation, a Washington Corporation, 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  |  |
|   |  |   |  |
| 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, the 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). |  |   |  |
| ASSIGNOR agrees to executand prosecution of the APPLICATION regarding letters patent derived the to the APPLICATION (and APPLICATION)   | TION DERIVATIVES')); ute all instruments and docur N (and APPLICATION DER refrom, and for the purpose of ATION DERIVATIVES).             | ments required for the making<br>IVATIVES), for litigation<br>of protecting and perfecting title  |  |
| ASSIGNOR agrees to executand prosecution of the APPLICATION regarding letters patent derived the  | TION DERIVATIVES')); ute all instruments and docur N (and APPLICATION DER refrom, and for the purpose of ATION DERIVATIVES).             | ments required for the making<br>IVATIVES), for litigation<br>of protecting and perfecting title  |  |
| ASSIGNOR agrees to executand prosecution of the APPLICATION regarding letters patent derived the to the APPLICATION (and APPLICATION)   | TION DERIVATIVES')); ute all instruments and docur on (and APPLICATION DER refrom, and for the purpose of ATION DERIVATIVES).    Deliver | ments required for the making<br>IVATIVES), for litigation<br>of protecting and perfecting title  |  |

**RECORDED: 10/30/2020** 

PATENT REEL: 054218 FRAME: 0692