#### 506048012 05/06/2020

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6094726

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

#### **CONVEYING PARTY DATA**

| Name               | Execution Date |
|--------------------|----------------|
| VADIM MAKHERVAKS   | 05/05/2020     |
| AARON WILLIAM OGUS | 05/05/2020     |
| JASON DAVID ADRIAN | 05/05/2020     |

#### **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: | 16868285 |

#### CORRESPONDENCE DATA

Fax Number: (425)936-7329

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.

425-538-9035 Phone:

Email: usdocket@microsoft.com

MICROSOFT CORPORATION **Correspondent Name:** 

Address Line 1: ONE MICROSOFT WAY

Address Line 4: **REDMOND, WASHINGTON 98052** 

| ATTORNEY DOCKET NUMBER: | 408208-US-NP          |  |
|-------------------------|-----------------------|--|
| NAME OF SUBMITTER:      | VLADIMIR A. KOZYREV   |  |
| SIGNATURE:              | /VLADIMIR A. KOZYREV/ |  |
| DATE SIGNED:            | 05/06/2020            |  |

#### **Total Attachments: 6**

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**PATENT** REEL: 052591 FRAME: 0674 506048012

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PATENT REEL: 052591 FRAME: 0675

## PATENT ASSIGNMENT

MS Docket No.: 408208-US-NP

| inventor of subject matter application entitled "LOCAL DEVICE" ("APPLICATION"), which will be filed.  ASSIGNEE'S legal LLC, One Microsoft LEGAL REPRESENT May 6, 2020 the following Office) this APPLI when known;  was filed on by the following (Microsoft Technology Liberal Dehaif of itself and its successions of acquiring, the entiting of priority, in the INVENTITY patents derived therefrom, successions of the United States, its its DERIVATIVES")); | ("INVENTION") disclosed  NON-VOLATILE MEMOR  h:  ASSIGNOR hereby auth representative, Microsoft oft Way, Redmond, Washing [ATIVES], to insert here in and given Application fice US - United States CATION's Application No.  and was given  Office "  censing, LLC, a Washingto ssors and assigns ("ASSI re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio territories, and all forei | norizes, and requests, to Technology Licensing, gton 98052 (ASSIGNEE'S parentheses (filed on No. 16/868,285 by Patent and Trademark, filing date, and Office,  Application No ";  In limited liability company, on GNEE"), is entitled to, and is the and interest, including the (and all other applications and ins, in whole or in part, in and ign countries ("APPLICATION") |
|--|--|--|
| ASSIGNOR hereby  | authorizes, and requ   | uests, ASSIGNEE'S LEGAL  |
| REPRESENTATIVES to insert the  |  |  |
| following table for any APPLICA  |  |  |
| Application No.  | Filing Date  | Office   |
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Page 1 of 2

PATENT REEL: 052591 FRAME: 0676

MS Docket No.: 408208-US-NP

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).

| , |  |  |
|---|--|--|
|   |  | 5/5/2020   |
|   | Inventor's Signature  Vadim MAKHERVAKS | Date   |
|   | Printed Name in English                | Printed Name in Native Language<br>(if other than English) |

REEL: 052591 FRAME: 0677

# PATENT ASSIGNMENT

MS Docket No.: 408208-US-NP Aaron William OGUS ("ASSIGNOR") am the original in

| inventor of subject matter   | ("INVENTION") disc  | osed and/or claimed in a paten  |
|--|---|---|
| <u>DEVICE</u> " ("APPLICATION"), wh  |   | MEMORY EXPRESS VIRTUALIZATION   |
| LLC, One Micro<br>LEGAL REPRESE<br>May 6, 2020<br>the following  | al representative, Mic<br>soft Way, Redmond, V<br>NTATIVES), to insert h<br>and given Applic<br>Office <u>US - United</u> | authorizes, and requests, crosoft Technology Licensing, Vashington 98052 (ASSIGNEE'S ere in parentheses (filed on sation No. 16/868,285 by States Patent and Trademark on No., filing date, and Office,   |
|  | and was<br>g Office "   | given Application No<br>  |
| behalf of itself and its suc<br>desirous of acquiring, the er<br>right of priority, in the INVEN<br>patents derived therefrom, s | cessors and assigns<br>ntire and exclusive rig<br>ITION and the APPLIC,<br>uch as continuing app                          | hington limited liability company, or<br>("ASSIGNEE"), is entitled to, and is<br>ghts, title and interest, including the<br>ATION (and all other applications and<br>olications, in whole or in part, in and<br>I foreign countries ("APPLICATION |
| ASSIGNOR hereby REPRESENTATIVES to insert following table for any APPLI  | the Application No  | ., filing date, and Office into the   |
| Application No.  | Filing Date   | Office  |
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Page 1 of 2

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"));

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| 1 0                     |  |
|-------------------------|--|
| Inventor's Signature    | 05/05/2020<br>Date   |
| Aaron William OGUS      |  |
| Printed Name in English | Printed Name in Native Language<br>(if other than English) |

### PATENT ASSIGNMENT

MS Docket No.: 408208-US-NP

| I <u>Jason David ADRIAN</u> (",   | ASSIGNOR") am the origin  | al inventor or an original joint |  |
|---|---|----------------------------------|--|
| inventor of subject matter ("INVENTION") disclosed and/or claimed in a pater            |   |                                  |  |
| application entitled "LOCAL   | NON-VOLATILE MEMOR  | Y EXPRESS VIRTUALIZATION         |  |
| <u>DEVICE</u> " ("APPLICATION"), which  |   |                                  |  |
| _   | ASSIGNOR hereby auth  | orizes and requests              |  |
|   | representative, Microsoft   | •                                |  |
| •   | •   | <b>3</b> ,                       |  |
| •   | ft Way, Redmond, Washing  | •                                |  |
|   | ATIVES), to insert here in  |                                  |  |
|   | and given Application N   |                                  |  |
| _   | fice <u>US – United States</u>  |                                  |  |
|   | CATION's Application No.,   | filing date, and Office,         |  |
| when known;   |   |                                  |  |
|   |   |                                  |  |
| $\square$ was filed on $\_\_$   | and was given   | Application No                   |  |
|   | Office "  |                                  |  |
|   |   |                                  |  |
| Microsoft Technology Lic  | censing, LLC, a Washingto   | n limited liability company, on  |  |
| behalf of itself and its succe  | ssors and assigns ("ASSI  | GNEE"), is entitled to, and is   |  |
| desirous of acquiring, the enti   | 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 requ  | uests, 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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|   |   |                                  |  |
|   |   |                                  |  |

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"));

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| Jasa Sant Clour                            | 5/5/2020  |
|--|---|
| Inventor's Signature                       | Date  |
| Jason David ADRIAN Printed Name in English | Printed Name in Native Language (if other than English) |

RECORDED: 05/06/2020