504382790 05/24/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4429485

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

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------------|----------------|
| GANESH SRIDHARAN | 03/13/2017 |
| VADIM EYDELMAN | 05/11/2017 |
| ANAND KRISHNAMURTHY | 05/23/2017 |
| SRIVIDHYA CHANDRASEKARAN | 03/06/2017 |
| DANIEL C. STEVENSON | 05/15/2017 |
| SAMEER D. BEDEKAR | 05/11/2017 |
| ARAVIND NAMASIVAYAM | 03/08/2017 |
| XIAOZHONG LUO | 05/11/2017 |
| ANDREW GUY BYBEE | 05/18/2017 |
| EKATERINA BASSOVA | 03/07/2017 |
| MARC KUPERSTEIN | 05/17/2017 |

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: | 15267012 |

CORRESPONDENCE DATA

Fax Number: (612)332-9081

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.

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Email: usdocket@microsoft.com

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Address Line 1: P.O. BOX 2903

Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0903

PATENT REEL: 042555 FRAME: 0897

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| ATTORNEY DOCKET NUMBER: 14917.2966USU1/400220USNP | | |
|---|--------------------------|--|
| NAME OF SUBMITTER: CHRISTOPHER J. LEONARD | | |
| SIGNATURE: | /Christopher J. Leonard/ | |
| DATE SIGNED: | 05/24/2017 | |
| Total Attachments: 22 | | |
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> PATENT REEL: 042555 FRAME: 0898

PATENT ASSIGNMENT

I <u>Ganesh Sridharan</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>CROSS-PLATFORM SINGLE SIGN-ON ACCESSIBILITY OF A PRODUCTIVITY APPLICATION WITHIN A SOFTWARE AS A SERVICE PLATFORM" ("APPLICATION"), which:</u>

| will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S lega |
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| 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 <u>US - United States Patent and</u> |
| Trademark Office) this APPLICATION's Application No., filing date, and Office |
| when known; |
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was filed on <u>September 15, 2016</u> and was given Application No <u>15/267,012</u> by the following Office "<u>United States Patent and Trademark Office</u>";

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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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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| J. hanesh | 03-13-2017 |
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| Inventor's Signature | Date |
| Ganesh Sridharan | |
| Printed Name in English | Printed Name in Native Language |

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| I <u>Vadir</u> | <u>n Eydelman</u> ("ASS | IGNOR") am the original | inventor or an original joint |
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| Inventor's Signature | Date |
| Vadim Eydelman | |
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| I Anan | d Krishnamurthy (| 'ASSIGNOR") am the origin | al inventor or an original joint |
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| behalf of its desirous of a right of prior patents deriv | self and its successically successive the entire ty, in the INVENTIVE therefrom, successited States, its to | ssors and assigns ("ASSIC re and exclusive rights, til ON and the APPLICATION (h as continuing application | n limited liability company, on GNEE"), is entitled to, and is tle and interest, including the (and all other applications and ns, in whole or in part, in and gn countries ("APPLICATION |
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| Inventor's Signature | 05/23/2017 Date |
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| Anand Krishnamurthy | |
| Printed Name in English | Printed Name in Native Language |
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| joint inventor of subject mat | ter ("INVENTION") disclos | original inventor or an origina ed and/or claimed in a paten IN-ON ACCESSIBILITY OF A |
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| 基验. | Mar /6/2017 |
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| Inventor's Signature | Date |
| Srividhya Chandrasekaran | |
| Printed Name in English | Printed Name in Native Language |
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PATENT ASSIGNMENT

| I <u>Daniel C. Stevenson</u> ("A inventor of subject matter ("application entitled " <u>CROSS-PRODUCTIVITY APPLICATION</u> ("APPLICATION"), which: | "INVENTION") disclosed a PLATFORM SINGLE SIGN | N-ON ACCESSIBILITY OF A |
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| ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESENT on No. Patent and Trader | ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing FATIVES), to insert here and by the following Offinark Office) this APPLICATICE, when known; | Technology Licensing, iton 98052 (ASSIGNEE'S in parentheses (filed given Application ce <u>US – United States</u> |
| | mber 15, 2016 and was g e following Office " <u>United</u> ; | |
| 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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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).

Inventor's Signature

Date

Daniel C. Stevenson

Printed Name in English

Printed Name in Native Language

(if other than English)

PATENT ASSIGNMENT

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| 05/11/2017 Date |
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| l <u>Arav</u> | <u>Ind Namasivayam</u> | ("ASSIGNOR") am the origin | nal inventor or an original joint |
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| inventor of | subject matter | ("INVENTION") disclosed | and/or claimed in a patent |
| application | | | N-ON ACCESSIBILITY OF A |
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| Micro: | oft Technology Li | censing, LLC, a Washingto | n limited liability company, on |
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| Inventor's Signature | 3/8/2017 Date |
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| Aravind Namasivayam Printed Name in English | Printed Name in Native Language (if other than English) |

PATENT ASSIGNMENT

| l <u>Xiaozhong Luo</u> ("ASSIC | GNOR") am the original i | nventor or an original joint |
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| inventor of subject matter (" | INVENTION") disclosed a | and/or claimed in a patent |
| application entitled "CROSS- | PLATFORM SINGLE SIGN | I-ON ACCESSIBILITY OF A |
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Inventor's Signature

Date

Xiaozhong Luo

Printed Name in English

Printed Name in Native Language (if other than English)

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| inventor of subjection entitle | ct matter ("INVENTIC ed " <u>CROSS-PLATFORM PPLICATION WITHIN</u> | N") disclosed a | I inventor or an original jo and/or claimed in a pat N-ON ACCESSIBILITY OF AS A SERVICE PLATFOR | ent A |
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| <u>15/2</u> | iled on <u>September 15,</u> <u>67,012</u> by the followin emark Office"; | | | |
| behalf of itself and desirous of acquir right of priority, in patents derived th | nd its successors and ing, the entire and ex the INVENTION and th erefrom, such as conti | assigns ("ASSIC clusive rights, ti le APPLICATION nuing applicatio | n limited liability company, GNEE"), is entitled to, and tle and interest, including (and all other applications and, in whole or in part, in fign countries ("APPLICAT | d is the and and |
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PATENT ASSIGNMENT

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"));

| M | 5/18/2017 | |
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| Inventor's Signature | Date | |
| _Andrew Guy Bybee | | |
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| I <u>Ekat</u> | erina Bassova ("A | SSIGNOR") am the origina | l inventor or an original joint |
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| | will be filed. | ASSIGNOR hereby auth | orizes, and requests. |
| | ASSIGNEE'S legal | representative, Microsoft | • |
| | | ft Way, Redmond, Washing | |
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| (MA) | 03/07/2017 |
|-------------------------|---------------------------------|
| Inventor's Signature | Date |
| Ekaterina Bassova | Екатерина Басова |
| Printed Name in English | Printed Name in Native Language |
| | (if other than English) |

PATENT ASSIGNMENT

| I <u>Marc Kuperstein</u> ("ASS inventor of subject matter ('application entitled " <u>CROSS-PRODUCTIVITY APPLICATION</u> ("APPLICATION"), which: | 'INVENTION") disclosed a PLATFORM SINGLE SIGN | N-ON ACCESSIBILITY OF A |
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| ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESENT on No. | mark Office) this APPLICA | Technology Licensing, iton 98052 (ASSIGNEE'S in parentheses (filed given Application ce US – United States |
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| Microsoft Technology Lice behalf of itself and its success desirous of acquiring, the entire right of priority, in the INVENTION patents derived therefrom, such for the United States, its to DERIVATIVES")); | ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION (h as continuing applicatio | tle and interest, including the (and all other applications and ns, in whole or in part, in and |
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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).

Inventor's Signature

Date

Marc Kuperstein

Printed Name in English

Printed Name in Native Language (if other than English)