

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5683563

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DRAWBRIDGE, INC.	08/19/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICROSOFT TECHNOLOGY LICENSING, LLC
<b>Street Address:</b>	ONE MICROSOFT WAY
<b>City:</b>	REDMOND
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98052
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14942203
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Email:</b>	request@slwip.com
<b>Correspondent Name:</b>	SCHWEGMAN LUNDBERG & WOESSNER P.A.
<b>Address Line 1:</b>	P.O. BOX 2938
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55402
<b>ATTORNEY DOCKET NUMBER:</b>	3080.L13US2
<b>NAME OF SUBMITTER:</b>	ROBIN L. MONSEES
<b>SIGNATURE:</b>	/ ROBIN L. MONSEES /
<b>DATE SIGNED:</b>	08/23/2019
<b>Total Attachments: 6</b>	
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source=3080L13US2 ASSN_DB2MS#page2.tif	
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source=3080L13US2 ASSN_DB2MS#page5.tif	
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RECORDATION FORM COVER SHEET  
PATENTS ONLY

Atty Ref/Docket No.: 3080.L13US2

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Drawbridge, Inc.

Additional name(s) of conveying party(ies) attached?

[ ] Yes [X] No

3. Nature of conveyance:

[X] Assignment

[ ] Merger

[ ] Security Agreement [ ] Change of Name

[ ] Other

Execution Date: August 19, 2019

2. Name and address of receiving party(ies):

Name: Microsoft Technology Licensing, LLC

Street Address: One Microsoft Way

City: Redmond State: WA Zip: 98052

Country: United States of America

Additional name(s) & address(es) attached? [ ] Yes [X] No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 14/942,203

Additional numbers attached? [ ] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Stephen C. Durant

Address:

Swegman Lundberg & Woessner, P.A.

P.O. Box 2938

Minneapolis, Minnesota 55402

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 0.00

[ ] Enclosed

[ ] Authorized to be charged to deposit account 19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

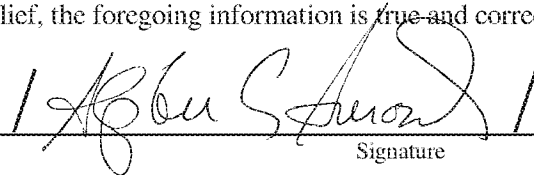
**DO NOT USE THIS SPACE**

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Stephen C. Durant/Reg. No. 31,506

Name of Person Signing



Signature

08/22/19

Date

Total number of pages including cover sheet: 6

Mail documents to be recorded with required cover sheet information to:

**Commissioner of Patents and Trademarks**

**Mail Stop Assignment Recordation Services**

**P.O. Box 1450**

**Alexandria, VA 22313-1450**

**PATENT**  
**REEL: 050144 FRAME: 0608**

## ASSIGNMENT OF PATENTS AND APPLICATIONS

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged,

Drawbridge, Inc. a corporation organized under the laws of Delaware and having an office and place of business at 2121 S El Camino Real, 7<sup>th</sup> Floor, San Mateo, CA, 94403 ("ASSIGNOR"),

hereby sells, assigns, transfers, and conveys to

Microsoft Technology Licensing, LLC, a limited liability company organized under the laws of Washington and having an office and place of business at One Microsoft Way, Redmond, Washington 98052 ("ASSIGNEE"),

all right, title and interest ASSIGNOR has in and to the patents and patent applications listed in Exhibit A, ("PATENTS") attached hereto, including any and all legal rights to sue for past, present and future infringement, to collect royalties, to prosecute all existing patent applications worldwide, to apply for additional patents worldwide and to have patents issue in the name of ASSIGNEE.

Assignor also assigns and transfers to the Assignee and the Assignee's legal representatives, successors and assigns, its full and exclusive rights in and to the Intellectual Property including the PATENTS in the U.S. and every foreign country, and its entire right, title, and interest in and to the related applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the Intellectual Property including the PATENTS and related applications.

Upon said consideration, Assignor conveys to the Assignee the right to make application in its own behalf on the Intellectual Property including the PATENTS and related applications in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of any earlier U.S. application (or any other application on the invention) to gain priority with respect to other applications.

(1) ASSIGNOR requests and authorizes the appropriate officials in any country, to issue any and all Letters Patent that may be granted upon any patent application or any additional, continuing or divisional applications thereof to the ASSIGNEE, its successors and assigns.

(2) ASSIGNOR grants to ASSIGNEE and its agents the authority and power to insert on this instrument any further identification necessary or desirable for purposes of recordation in the Patent and Trademark Office of any country.

(3) ASSIGNOR certifies that the person signing this assignment is a lawful representative of ASSIGNOR and is authorized to execute this assignment its behalf.

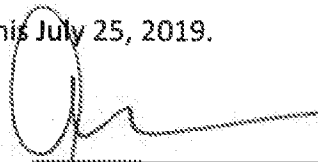
(4) This assignment will become effective on the date when both ASSIGNOR and ASSIGNEE have signed it.

July 25, 2019 Signature of  for ASSIGNOR  
Michelle Leung  
Assistant Secretary, Drawbridge, Inc.

I certify that the above-identified ASSIGNOR, personally known to me to be the same person or persons who signed the foregoing instrument, appeared before me this day in person, and acknowledged that the said instrument was signed and delivered as the free and voluntary act of the ASSIGNOR, for the uses and purposes therein set forth.

Given under my hand and seal, this July 25, 2019.




  
Susan Danielle Chow  
Commission # 2227277  
Notary Public California  
Santa Clara County, California  
Commission Expires January 30, 2022

08/19/2019 Signature of  for ASSIGNEE.  
[Date] Sandip S. Minhas, President, Microsoft Technology Licensing, LLC

I certify that the above-identified ASSIGNEE, personally known to me to be the same person or persons who signed the foregoing instrument, appeared before me this day in person, and acknowledged that the said instrument was signed and delivered as the free and voluntary act of the ASSIGNEE, for the uses and purposes therein set forth.

Given under my hand and seal, this August 19<sup>th</sup>, 2019 [Date].

  
Bianca Zhang – NOTARY PUBLIC  
in and for the State of Washington U.S.A.  
Residing at King County, Washington U.S.A.  
My Appointment expires: 08/29/2020

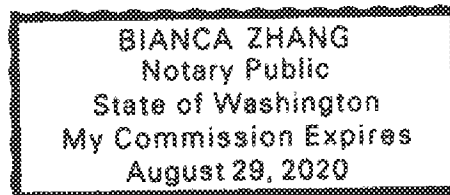


EXHIBIT A

Application Number	Filing Date	Grant Number	Filing Number	Inventors
61/645,549	10-May-12		System and Method for Determining Related Digital Identities	Sivaramakrishnan, Kamakshi; Guan, Devin; Kyaw, Tin H; Ye, Jerry; Menon, Ravi; Yu, Yang
13/891,764	10-May-13		System and Method for Determining Related Digital Identities	Sivaramakrishnan, Kamakshi; Guan, Devin; Kyaw, Tin H; Ye, Jerry; Menon, Ravi; Yu, Yang
14/877,837	7-Oct-15		System to Group Internet Devices Based Upon Device Usage	Guan, Devin; Li, Xiang; Cotta, Randy; Bafna, Rahul; Venkatesan, Obuli
14/942,203	16-Nov-15	9,514,248	System to Group Internet Devices Based Upon Device Usage	Guan, Devin; Li, Xiang; Cotta, Randy; Bafna, Rahul; Venkatesan, Obuli
14/992,893	11-Jan-16	10,248,968	System to Deliver Content to Internet-Connected Devices that have Shared a Server Internet Protocol Address	Sivaramakrishnan, Kamakshi; Guan, Devin; Kyaw, Tin H; Ye, Jerry; Menon, Ravi; Yu, Yang
16/141,229	25-Sep-18		Probabilistically Generated Identity Database System and Method	
16/287,734	27-Feb-19		Method for Transmitting Information to Device on a Network Based Upon Information Associated with a Different Device on the Network	Sivaramakrishnan, Kamakshi; Guan, Devin; Kyaw, Tin H; Ye, Jerry; Menon, Ravi; Yu, Yang

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Santa Clara
On July 25, 2019 before me, Susan Danielle Chow, Notary Public
personally appeared Michelle Leung
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: Assignment of Patents
Document Date: July 25, 2019 Number of Pages: 4
Signer(s) Other Than Named Above:

Capacity(ies) Claimed by Signer(s)

Signer's Name: Michelle Leung
Signer's Name:
Corporate Officer - Title(s): Assistant Secretary
Partner - Limited General
Individual Attorney in Fact
Trustee Guardian or Conservator
Other:
Signer Is Representing: Drawbridge, Inc.

PATENT