

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4720215

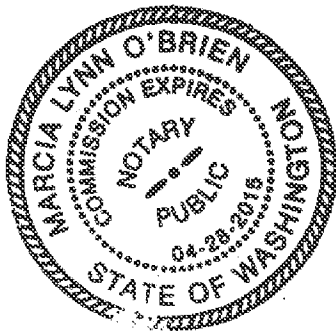
|                                                                                                                                                                                                 |                                     |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                      |                       |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                          |                       |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                     |                       |
|                                                                                                                                                                                                 | <b>Name</b>                         | <b>Execution Date</b> |
|                                                                                                                                                                                                 | MICROSOFT CORPORATION               | 10/14/2014            |
| <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>         |
|                                                                                                                                                                                                 | Application Number:                 | 15832983              |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                     |                       |
| <b>Fax Number:</b>                                                                                                                                                                              | (509)755-7252                       |                       |
| <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>Phone:</b>                                                                                                                                                                                   | 509-755-7262                        |                       |
| <b>Email:</b>                                                                                                                                                                                   | usdocket@microsoft.com              |                       |
| <b>Correspondent Name:</b>                                                                                                                                                                      | WOLFE-SBMC                          |                       |
| <b>Address Line 1:</b>                                                                                                                                                                          | 116 W. PACIFIC AVE.                 |                       |
| <b>Address Line 2:</b>                                                                                                                                                                          | SUITE 300                           |                       |
| <b>Address Line 4:</b>                                                                                                                                                                          | SPOKANE, WASHINGTON 99201           |                       |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 324722-US-CNT                       |                       |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | ALLAN T. SPONSELLER                 |                       |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Allan T. Sponseller, Reg. #38,318/ |                       |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 12/06/2017                          |                       |
| <b>Total Attachments: 3</b>                                                                                                                                                                     |                                     |                       |
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## NOTARIAL CERTIFICATION

STATE OF WASHINGTON        }  
                                      } ss.  
COUNTY OF KING            }

I certify that attached hereto is a true and correct copy of the original Assignment between Microsoft Corporation having an office at One Microsoft Way, Redmond, WA 98052 and Microsoft Technology Licensing, LLC having an office at One Microsoft Way, Redmond, WA 98052, effective October 14, 2014.

Date: December 12, 2014



*Marcia Lynn O'Brien*

MARCIA LYNN O'BRIEN – NOTARY PUBLIC

In and for the State of Washington U.S.A.

Residing at King County, Washington U.S.A.

My Appointment expires: April 28, 2015

# ASSIGNMENT OF PATENTS AND APPLICATIONS

## 1. ASSIGNMENT

FOR \$100 US (one hundred United States dollars), and other good and valuable consideration, the receipt of which is hereby acknowledged,

Microsoft Corporation, a corporation organized under the laws of Washington and having an office and place of business at One Microsoft Way, Redmond, Washington 98052 ("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"),

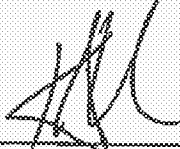
all right, title and interest ASSIGNOR has in and to the patents and patent applications listed in Exhibit A, attached hereto, including any and all legal rights to sue for past, present and future infringement, to collect royalties, to prosecute all existing patent applications worldwide, to apply for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

(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 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.

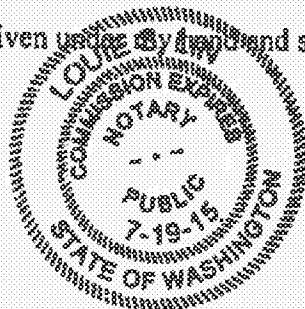
(3) ASSIGNOR certifies that the person signing this assignment is a lawful representative of ASSIGNOR and is authorized to execute this assignment its behalf.

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

10/14/14      Signature of  for ASSIGNOR  
DATE      Keith R. Dolliver, Assistant Secretary

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 14 October 2014 [Date].



# ASSIGNMENT OF PATENTS AND APPLICATIONS

## ACCEPTANCE

10/14/14  
DATE

Signature of [Signature] for ASSIGNEE.  
Benjamin O. [Signature], Secretary

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 14 October 2014 [Date].



[Signature]