PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4842424

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICROSOFT CORPORATION	10/14/2014

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:	15906420

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 425-707-9382 Email: drud@khcip.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	335140-US-CNT[3]
NAME OF SUBMITTER:	DAWN C. RUD
SIGNATURE:	/Dawn C. Rud/
DATE SIGNED:	02/27/2018

Total Attachments: 3

source=335140-US-CNT3 Assignment MS to MTL#page1.tif source=335140-US-CNT3 Assignment MS to MTL#page2.tif source=335140-US-CNT3 Assignment MS to MTL#page3.tif

PATENT 504795692 REEL: 045052 FRAME: 0122

NOTARIAL CERTIFICATION

STATE OF WASHINGTON)
) 55
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.

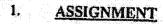
Date: Accomboe 12, 2014



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

PATENT REEL: 045052 FRAME: 0123

ASSIGNMENT OF PATENTS AND APPLICATIONS



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.

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 By hand and seal, this 14 October 2014 [Date

Page I

W40 FY15

for ASSIGNOR

ASSIGNMENT OF PATENTS AND APPLICATIONS

ACCEPTANCE

10/14/14 DATE

Signature of

Benjamin Official 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].



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Page 2

W40 FY15

PATENT REEL: 045052 FRAME: 0125