

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4889373

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	MICROSOFT CORPORATION	03/02/2018
RECEIVING PARTY DATA		
Name:	MICROSOFT TECHNOLOGY LICENSING, LLC	
Street Address:	ONE MICROSOFT WAY	
City:	REDMOND	
State/Country:	WASHINGTON	
Postal Code:	98052	
PROPERTY NUMBERS Total: 2		
Property Type	Number	
Patent Number:	7353257	
Patent Number:	7756929	
CORRESPONDENCE DATA		
Fax Number:	(703)739-2815	
<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>		
Email:	iprecordals@cpaglobal.com	
Correspondent Name:	CPA GLOBAL LIMITED	
Address Line 1:	LIBERATION HOUSE	
Address Line 2:	CASTLE STREET	
Address Line 4:	ST HELIER, JERSEY JE1 1BL	
NAME OF SUBMITTER:	HELEN BIRRELL	
SIGNATURE:	/HMB/IPR/SB/MICROSOFT COMP-FRONT-AG2PT/	
DATE SIGNED:	03/29/2018	
Total Attachments: 5		
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ASSIGNMENT OF PATENTS AND APPLICATIONS

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which are 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, ("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.

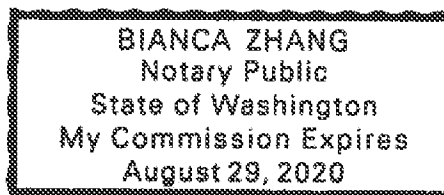
(4) This assignment will become effective on the date when both ASSIGNOR and ASSIGNEE have signed it.

March 2, 2018 Signature of Danielle J Holmes for ASSIGNOR
[Date] Danielle Johnston Holmes, Assistant Secretary, Microsoft Corporation

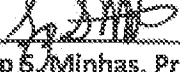
I certify that the above-identified ASSIGNOR, personally known to me to be the same person or persons who signed the foregoing instrument, appeared before me this day in person, and acknowledged that the said instrument was signed and delivered as the free and voluntary act of the ASSIGNOR, for the uses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

Given under my hand and seal, this March 2, 2018 [Date].

Bianca Zhang
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

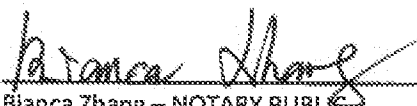


March 2, 2018
[Date]

Signature of  for ASSIGNEE.
Sandip E. 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 March 2, 2018 [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

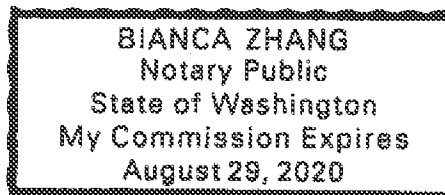


EXHIBIT A

Country	Case reference	Grant Number	Filing Number	Current Status
United States Of America	315511-US-NP	7353257	10/994010	Grant
International Procedure	315511-WO-PCT		PCT/US05/41899	Closed
European Procedure (Patents)	315511-EP-EPT	1825387	05849254.7	Closed
Japan	315511-JP-PCT	4394723	2007-543293	Grant
China	315511-CN-PCT	200580036287.2	200580036287.2	Grant
South Korea / Republic of Korea	315511-KR-PCT	10-1143250	10-2007-7007580	Grant
India	315511-IN-PCT		03172/DELNP/2007	Abandoned
Canada	315511-CA-PCT	2581062	2581062	Grant
Australia	315511-AU-PCT	2005306434	2005306434	Grant
Brazil	315511-BR-PCT		PI0515556-8	Abandoned
Russian Federation	315511-RU-PCT	2395116	2007118690	Abandoned
Mexico	315511-MX-PCT		MX/a/2007/004745	Abandoned
Czech Republic	315511-CZ-EPA	1825387	5849254.7	Grant
Finland	315511-FI-EPA	1825387	5849254.7	Grant
France	315511-FR-EPA	1825387	05849254.7	Grant
Germany	315511-DE-EPA	602005033318.5	05849254.7	Grant
Hungary	315511-HU-EPA	1825387	05849254.7	Grant
Iceland	315511-IS-EPA	1825387	5849254.7	Lapsed
Ireland	315511-IE-EPA	1825387	05849254.7	Grant
Italy	315511-IT-EPA	502012902039976	05849254.7	Grant
Liechtenstein	315511-LI-EPA	1825387	05849254.7	Closed
Lithuania	315511-LT-EPA	1825387	05849254.7	Lapsed
Luxembourg	315511-LU-EPA	1825387	05849254.7	Grant
Monaco	315511-MC-EPA	1825387	05849254.7	Lapsed

Country	Case reference	Grant Number	Filing Number	Current Status
Netherlands	315511-NL-EPA	1825387	05849254.7	Grant
Poland	315511-PL-EPA	1825387	05849254.7	Grant
Slovenia	315511-SI-EPA	1825387	05849254.7	Lapsed
Spain	315511-ES-EPA	1825387	5849254.7	Grant
Sweden	315511-SE-EPA	1825387	05849254.7	Grant
Switzerland	315511-CH-EPA	1825387	05849254.7	Grant
United Kingdom	315511-GB-EPA	1825387	05849254.7	Grant
Denmark	315511-DK-EPA	1825387	05849254.7	Grant
United States Of America	315547-US-NP	7610342	10/690422	Lapsed
United States Of America	315548-US-NP	7756929	10/849090	Grant
United States Of America	315549-US-NP	7797443	10/728023	Abandon requested