

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4199648

<b>SUBMISSION TYPE:</b>	RESUBMISSION
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>RESUBMIT DOCUMENT ID:</b>	504016955
<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>
<b>Application Number:</b>	15269131
<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>	USDocket@microsoft.com
<b>Correspondent Name:</b>	MICROSOFT
<b>Address Line 1:</b>	ONE MICROSOFT WAY
<b>Address Line 4:</b>	REDMOND, WASHINGTON 98052
<b>ATTORNEY DOCKET NUMBER:</b>	337803-US-CNT
<b>NAME OF SUBMITTER:</b>	SARAH J. KNIGHT
<b>SIGNATURE:</b>	/sarah j. knight/
<b>DATE SIGNED:</b>	12/23/2016
<b>Total Attachments: 3</b>	
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source=337803-US-CNT_assignment MTL#page2.tif	
source=337803-US-CNT_assignment MTL#page3.tif	

UNITED STATES OF AMERICA  
ASSIGNMENT

WHEREAS, Microsoft Corporation ("ASSIGNOR"), a Corporation organized under the laws of Washington, with a place of business at One Microsoft Way, Redmond, Washington 98052, owns the United States Patent(s) (the "Patent(s)") listed on the attached Schedule A; and

WHEREAS, Microsoft Technology Licensing, LLC ("ASSIGNEE"), a Limited Liability Company organized under the laws of Washington, with a place of business at One Microsoft Way, Redmond, Washington 98052, desires to acquire all rights to the Patent(s);

NOW, THEREFORE, in consideration of One Hundred Dollars (\$100.00) and other valuable consideration, the receipt of which ASSIGNOR acknowledges, ASSIGNOR has sold, assigned, transferred, and set over, and does, by this Assignment, sell, assign, transfer, and set over unto ASSIGNEE, all rights to the Patent(s), including reissues and extensions, to be held and enjoyed by ASSIGNEE, its successors, assigns, and legal representatives, for ASSIGNEE's own use and benefit and for the use and benefit of its successors, assigns, and legal representatives, to the end of the term(s) for which the Patent(s) has/have been granted or may be reissued or extended, as fully and entirely as the Patent(s) would have been held and enjoyed by ASSIGNOR had this assignment and sale not been made; together with all claims for profits and damages by reason of past infringement, with the right to sue for and collect the same for the use and benefit of ASSIGNEE, its successors, assigns, and legal representatives.

This Assignment is deemed to have become effective as from: **14th October, 2014**

IN WITNESS WHEREOF, ASSIGNOR has caused this Assignment to be executed by its duly authorized officer or representative on the date(s) indicated below.

Microsoft Corporation

By: 

Name: **Matthew Fauvel**  
Title: **Authorised Signatory**  
Date: **07 JAN 2015**

Microsoft Technology Licensing, LLC

By: 

Name: **Sarah Brennan**  
Title: **Authorised Signatory**  
Date: **07 JAN 2015**

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3175878

<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: 4208</b>		
<b>Property Type</b>	<b>Number</b>	
Application Number:	09687448	
Application Number:	09896733	
Application Number:	10273784	
Application Number:	10520609	
Application Number:	10666767	
Application Number:	10725940	
Application Number:	10725931	
Application Number:	11285394	
Application Number:	11313048	
Application Number:	11324467	
Application Number:	11917667	
Application Number:	12064788	
Application Number:	11990868	
Application Number:	11538209	
Application Number:	11652845	
Application Number:	12280892	
Application Number:	11675589	
Application Number:	90008546	
Application Number:	11689177	
Application Number:	11689190	

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Property Type	Number
Application Number:	13753527
Application Number:	13754881
Application Number:	13754494
Application Number:	13754899
Application Number:	13756506
Application Number:	13755738
Application Number:	13757561
Application Number:	13756885
Application Number:	13757785
Application Number:	13757845
Application Number:	13758804
Application Number:	13758613
Application Number:	13758683
Application Number:	13759906
Application Number:	13759839
Application Number:	13759044
Application Number:	13759877
Application Number:	13759875
Application Number:	13761047
Application Number:	13762157
Application Number:	13761999
Application Number:	13761882
Application Number:	13763260
Application Number:	13762379
Application Number:	13763491
Application Number:	13763701
Application Number:	13764056
Application Number:	13765024
Application Number:	13764788
Application Number:	13766476
Application Number:	13766559
Application Number:	13765984
Application Number:	13767223
Application Number:	13767817
Application Number:	13767634
Application Number:	13768400
Application Number:	13768144
Application Number:	13768539

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RECORDED: 09/22/2016

REEL: 030022 FRAME: 0232