

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5142289

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MICHAEL J. MCCORMACK	05/24/2010
NICHOLAS JAMES THOMSON	05/24/2010
DMITRI DAVYDOK	05/24/2010
INDROJIT DEB	05/24/2010
DAVID ROBERT SHUTT	07/19/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICROSOFT CORPORATION
<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:	15078230
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(425)936-7329
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<b>Phone:</b>	425-707-9382
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<b>ATTORNEY DOCKET NUMBER:</b>	329606-US-CNT[2]
<b>NAME OF SUBMITTER:</b>	THOMAS C. FIALA
<b>SIGNATURE:</b>	/Thomas C. Fiala, #43,610/
<b>DATE SIGNED:</b>	09/14/2018
<b>Total Attachments: 4</b>	
source=2016-03-23_Assignment_from_Parent_Inv-to-MS-14917-1528USC3-329606_04#page1.tif	

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source=2016-03-23\_Assignment\_from\_Parent\_Inv-to-MS-14917-1528USC3-329606\_04#page4.tif

PATENT ASSIGNMENT

I/WE, Michael J. McCormack, Nicholas James Thomson, Dmitri Davydok and Indrojit Deb ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CACHED AND SERVER VIEWS WITH AUTOMATIC CACHING AND SMOOTH SCROLLING" ("APPLICATION"), which:

will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052, who are associated with customer number 27488, to insert here in parenthesis (Application No. 12/789,606 , filed on May 28, 2010 ) this APPLICATION's Application No. and filing date, when known;

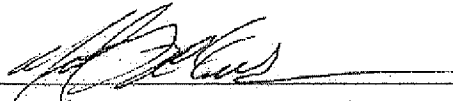
- was filed on \_\_\_\_\_ and was given Application No. \_\_\_\_\_;
- is filed concurrently herewith;


Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);


PATENT ASSIGNMENT

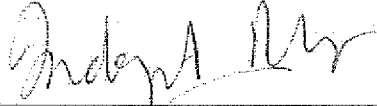
ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

 _____ Inventor's Signature	<u>5/24/10</u> _____ Date
<u>Michael J. McCormack</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

 _____ Inventor's Signature	<u>24<sup>th</sup> May 2010</u> _____ Date
<u>Nicholas James Thomson</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

	05/24/2010
Inventor's Signature	Date
Dmitri Davydok	ДМИТРИЙ ДАВЫДОВ
Printed Name in English	Printed Name in Native Language (if other than English)

	05/24/2010
Inventor's Signature	Date
Indrojit Deb	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

I, David Robert Shutt ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Cached and Server Views with Automatic Caching and Smooth Scrolling" ("APPLICATION"), which:

- will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Merchant & Gould PC, who are associated with customer number 27488, to insert here in parenthesis (U.S. Serial No. \_\_\_\_\_, filed \_\_\_\_\_) this APPLICATION's U.S. Serial Number and filing date, when known;
- was filed on May 28, 2010 and was given U.S. Serial No. 12/789,606;
- is filed concurrently herewith;

Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

7/19/2010  
DATE

David Robert Shutt  
David Robert Shutt