PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3449498

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LEONARDO E. BLANCO	10/12/2011
DANIEL N. WOOD	10/07/2011
MAX MCMULLEN	10/07/2011
ALLISON W. KLEIN	10/10/2011
BRIAN T. KLAMIK	10/10/2011
MICHAEL I. BORYSENKO	10/07/2011
KEITH D. MELMON	10/07/2011
MICHAEL P. CRIDER	10/20/2011
SILVANA PATRICIA MONCAYO	10/07/2011

RECEIVING PARTY DATA

Name:	MICROSOFT CORPORATION
Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14805250

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:	425-882-8080
Email:	usdocket@microsoft.com
Correspondent Name:	MICROSOFT TECHNOLOGY LICENSING, LLC
Address Line 1:	ONE MICROSOFT WAY
Address Line 4:	REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	333592.03
NAME OF SUBMITTER:	GARY A. ROBINETTE

SIGNATURE:	/Gary A. Robinette/
DATE SIGNED:	07/22/2015

Total Attachments: 15
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PATENT ASSIGNMENT

I/WE, Leonardo E. Blanco, Daniel N. Wood, Max McMullen, Allison W. Klein, Brian T. Klamik, Michael I. Borysenko, Keith D. Melmon, Michael P. Crider, Silvana Patricia Moncayo ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Buffer Display Techniques" ("APPLICATION"), which:
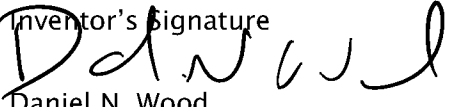
☐ will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052, who are associated with customer number 69316, to insert here in parenthesis (Application No. _____, filed _____) this APPLICATION's Application No. and filing date, when known;

☒ was filed on <u>September 9, 2011</u> and was given Application No. <u>13/229,474</u>;

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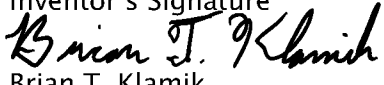
ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

Inventor's Signature _~Leonardo E. Blanco~_	Date 10/12/2011
Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature		Date
Daniel N. Wood		10/7/2011
Printed Name in English		Printed Name in Native Language (if other than English)

Inventor's Signature		Date
Max McMullen		
Printed Name in English		Printed Name in Native Language (if other than English)

Inventor's Signature		Date
Allison W. Klein		
Printed Name in English		Printed Name in Native Language (if other than English)

Inventor's Signature		Date
Brian T. Klamik		10-10-2011
Printed Name in English		Printed Name in Native Language (if other than English)

Inventor's Signature		Date
Michael I. Borysenko		
Printed Name in English		Printed Name in Native Language (if other than English)

Inventor's Signature		Date
Keith D. Melmon		
Printed Name in English		Printed Name in Native Language (if other than English)

Inventor's Signature		Date
Michael P. Crider		
Printed Name in English		Printed Name in Native Language (if other than English)

Inventor's Signature		Date
Silvana Patricia Moncayo		10/07/2011
Printed Name in English		Printed Name in Native Language (if other than English)

PATENT
REEL: 036152 FRAME: 0981

<u>PATENT ASSIGNMENT</u>

I/WE, Leonardo E. Blanco, Daniel N. Wood, Max McMullen, Allison W. Klein, Brian T. Klamik, Michael I. Borysenko, Keith D. Melmon, Michael P. Crider, Silvana Patricia Moncayo ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Buffer Display Techniques" ("APPLICATION"), which:

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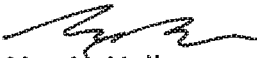
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Inventor's Signature Leonardo E. Blanco	Date
Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature	Date
Daniel N. Wood	
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Inventor's Signature	Date
Max McMullen	10/7/2011
Printed Name in English	Printed Name in Native Language (if other than English)

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Inventor's Signature	Date
Michael P. Crider	
Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature	Date
Silvana Patricia Moncayo	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT
REEL: 036152 FRAME: 0984

<u>PATENT ASSIGNMENT</u>

I/WE, Leonardo E. Blanco, Daniel N. Wood, Max McMullen, Allison W. Klein, Brian T. Klamik, Michael I. Borysenko, Keith D. Melmon, Michael P. Crider, Silvana Patricia Moncayo ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Buffer Display Techniques" ("APPLICATION"), which:

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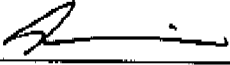
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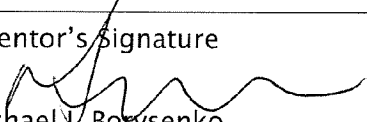
Inventor's Signature Leonardo E. Blanco	Date
Printed Name in English	Printed Name in Native Language (if other than English)

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Daniel N. Wood	
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Inventor's Signature	Date 10 / 10 / 2011
Allison W. Klein	
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Inventor's Signature	Date
Brian T. Klamik	
Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature	Date
Michael P. Borysenko	10/7/2011
Printed Name in English	Printed Name in Native Language (if
Michael Borysenko	other than English)

Inventor's Signature	Date
Keith D. Melmon	
Printed Name in English	Printed Name in Native Language (if
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Inventor's Signature	Date
Michael P. Crider	
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Inventor's Signature	Date
Silvana Patricia Moncayo	
Printed Name in English	Printed Name in Native Language (if
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<u>PATENT ASSIGNMENT</u>

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Inventor's Signature	Date
Leonardo E. Blanco	
Printed Name in English	Printed Name in Native Language (if other than English)

**PATENT
REEL: 036152 FRAME: 0988**

Inventor's Signature		Date
Daniel N. Wood		
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Inventor's Signature *Keith Melmon*		Date 10/7/2011
Keith D. Melmon		
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PATENT
REEL: 036152 FRAME: 0990

<u>PATENT ASSIGNMENT</u>

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