

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Frank R. Morrison III</td> <td>02/05/2013</td> </tr> <tr> <td>Alexander Burba</td> <td>01/31/2013</td> </tr> <tr> <td>Brandon Hunt</td> <td>01/31/2013</td> </tr> <tr> <td>John Justice</td> <td>01/31/2013</td> </tr> <tr> <td>Krassimir Karamfilov</td> <td>02/01/2013</td> </tr> </tbody> </table>		Name	Execution Date	Frank R. Morrison III	02/05/2013	Alexander Burba	01/31/2013	Brandon Hunt	01/31/2013	John Justice	01/31/2013	Krassimir Karamfilov	02/01/2013
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Frank R. Morrison III	02/05/2013												
Alexander Burba	01/31/2013												
Brandon Hunt	01/31/2013												
John Justice	01/31/2013												
Krassimir Karamfilov	02/01/2013												
RECEIVING PARTY DATA													
Name:	Microsoft Corporation												
Street Address:	One Microsoft Way												
City:	Redmond												
State/Country:	WASHINGTON												
Postal Code:	98052												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13761047</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13761047								
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Application Number:	13761047												
CORRESPONDENCE DATA													
Fax Number:	4259367329												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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Address Line 4:	Redmond, WASHINGTON 98052												
ATTORNEY DOCKET NUMBER:	337441.01												
NAME OF SUBMITTER:	Mohammad Adil												

CH \$40.00 13761047

Total Attachments: 10

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I Frank R. Morrison III ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DYNAMIC BUFFER" ("APPLICATION"), which:

will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on 06-FEB-2013 and given Application No. 13/761047 by the following Office US Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known;

was filed on _____ and was given Application No. _____ by the following Office "_____";

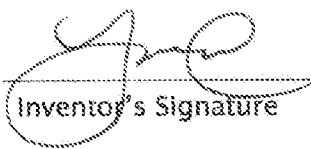
Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom,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

ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known:

Application No.	Filing Date	Office

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, ASSIGNOR's 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	<u>2/5/13</u> Date
Frank R. Morrison III Printed Name in English	 Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

MS Docket No.: 337441.01

I Alexander Burba ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DYNAMIC BUFFER" ("APPLICATION"), which:

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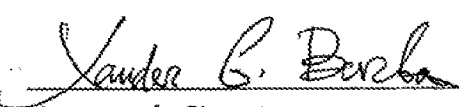
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<u></u>	<u>1/31/2013</u>
Inventor's Signature	Date
<u>Alexander Burba</u>	<u>Александр Бурба</u>
Printed Name in English	Printed Name in Native Language (if other than English)

I Brandon Hunt ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DYNAMIC BUFFER" ("APPLICATION"), which:

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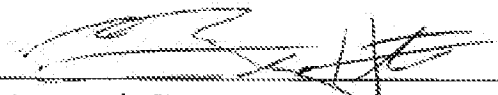
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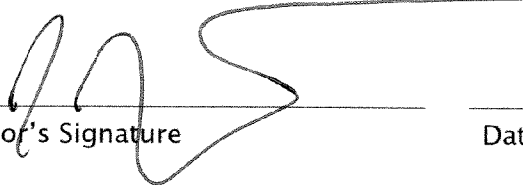
	<u>1/31/13</u>
Inventor's Signature	Date
<u>Brandon Hunt</u>	
Printed Name in English	Printed Name in Native Language (if other than English)

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	<u>1/31/2013</u>
Inventor's Signature	Date
<u>John Justice</u>	
Printed Name in English	Printed Name in Native Language (if other than English)

I Krassimir Karamfilov ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DYNAMIC BUFFER" ("APPLICATION"), which:

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<u>Kp. Karamfilov</u>	<u>2/1/2013</u>
Inventor's Signature	Date
<u>Krassimir Karamfilov</u>	<u>КРАСИМИР КАРАМФИЛОВ</u>
Printed Name in English	Printed Name in Native Language (if other than English)