

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>Eric St. John</td> <td>05/03/2013</td> </tr> <tr> <td>Mohammad Rahim Bhojani</td> <td>05/03/2013</td> </tr> <tr> <td>Alok Shriram</td> <td>05/02/2013</td> </tr> <tr> <td>David Kean</td> <td>05/07/2013</td> </tr> <tr> <td>Divya Swarnkar</td> <td>05/07/2013</td> </tr> <tr> <td>Kumar Gaurav Khanna</td> <td>05/03/2013</td> </tr> <tr> <td>Gaye Oncul Kok</td> <td>05/01/2013</td> </tr> <tr> <td>Jan Kotas</td> <td>05/03/2013</td> </tr> <tr> <td>Michael Rayhelson</td> <td>05/05/2013</td> </tr> <tr> <td>Michael Rousos</td> <td>05/02/2013</td> </tr> <tr> <td>Weitao Su</td> <td>05/06/2013</td> </tr> <tr> <td>Matthew Charles Cohn</td> <td>05/03/2013</td> </tr> <tr> <td>Zhanliang Chen</td> <td>05/03/2013</td> </tr> </tbody> </table>		Name	Execution Date	Eric St. John	05/03/2013	Mohammad Rahim Bhojani	05/03/2013	Alok Shriram	05/02/2013	David Kean	05/07/2013	Divya Swarnkar	05/07/2013	Kumar Gaurav Khanna	05/03/2013	Gaye Oncul Kok	05/01/2013	Jan Kotas	05/03/2013	Michael Rayhelson	05/05/2013	Michael Rousos	05/02/2013	Weitao Su	05/06/2013	Matthew Charles Cohn	05/03/2013	Zhanliang Chen	05/03/2013
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<table border="1"> <tr> <td>Name:</td> <td>Microsoft Corporation</td> </tr> <tr> <td>Street Address:</td> <td>One Microsoft Way</td> </tr> <tr> <td>City:</td> <td>Redmond</td> </tr> <tr> <td>State/Country:</td> <td>WASHINGTON</td> </tr> <tr> <td>Postal Code:</td> <td>98052</td> </tr> </table>		Name:	Microsoft Corporation	Street Address:	One Microsoft Way	City:	Redmond	State/Country:	WASHINGTON	Postal Code:	98052																		
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CORRESPONDENCE DATA																													
Fax Number:	4259367329																												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																													
Phone:	425-707-9382																												

CH \$40.00 13889469

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ATTORNEY DOCKET NUMBER:	338758.01
NAME OF SUBMITTER:	Shah Faisal Khan
Signature:	/Shah Faisal Khan/
Date:	05/09/2013

Total Attachments: 26

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I Eric St. John ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "OUT-OF-BAND FRAMEWORK LIBRARIES WITHIN APPLICATIONS" ("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 08-MAY-2013 and given Application No. 13/889469 by the following Office US Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known;

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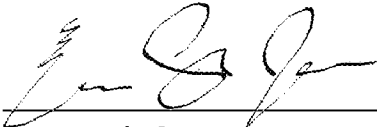
Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom,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

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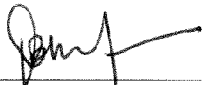
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 _____ Inventor's Signature	5/3/2013 _____ Date
Eric St. John _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

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 _____ Inventor's Signature	<u>05/03/2013</u> _____ Date
<u>MOHAMMAD RAZIEM BHDOSANI</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Alok Shriram ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "OUT-OF-BAND FRAMEWORK LIBRARIES WITHIN APPLICATIONS" ("APPLICATION"), which:

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	<p>May 2nd 2013</p>
<p>Inventor's Signature</p>	<p>Date</p>
<p>Alok Shriram</p>	
<p>Printed Name in English</p>	<p>Printed Name in Native Language (if other than English)</p>

I David Kean ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "**OUT-OF-BAND FRAMEWORK LIBRARIES WITHIN APPLICATIONS**" ("APPLICATION"), which:

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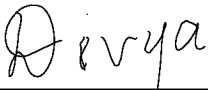
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<u>David Kean</u>	<u>05/07/2013</u>
Inventor's Signature	Date
<u>David Kean</u>	<u></u>
Printed Name in English	Printed Name in Native Language (if other than English)

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 <hr/> Inventor's Signature	May 07 2013 <hr/> Date
Divya Swarnkar <hr/> Printed Name in English	<hr/> Printed Name in Native Language (if other than English)

I Kumar Gaurav Khanna ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "**OUT-OF-BAND FRAMEWORK LIBRARIES WITHIN APPLICATIONS**" ("APPLICATION"), which:

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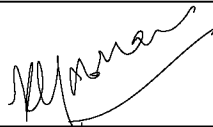
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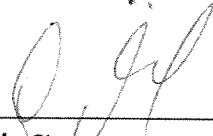
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	05/03/2013
_____ Inventor's Signature	_____ Date
Kumar Gaurav Khanna	_____
_____ Printed Name in English	_____ Printed Name in Native Language (if other than English)


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 _____ Inventor's Signature	<u>05/02/2013</u> _____ Date
<u>GAYE ONOUL KOK</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

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	<u>05/03/2013</u>
Inventor's Signature	Date
<u>Jan Kotas</u>	_____
Printed Name in English	Printed Name in Native Language (if other than English)

I Michael Rayhelson ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "**OUT-OF-BAND FRAMEWORK LIBRARIES WITHIN APPLICATIONS**" ("APPLICATION"), which:

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 _____ Inventor's Signature	<u>5/5/13</u> _____ Date
<u>MICHAEL RAYKELSON</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

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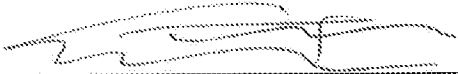
	<u>5/2/2013</u>
Inventor's Signature	Date
<u>Michael J. Rouso</u>	
Printed Name in English	Printed Name in Native Language (if other than English)

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MS Docket No.: 338758.01

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 _____ Inventor's Signature	<u>05/06/2013</u> _____ Date
<u>WEITAO SU</u> _____ Printed Name in English	<u>苏卫涛</u> _____ Printed Name in Native Language (if other than English)

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<u>ZHANLIANG CHEN</u> _____ Printed Name in English	<u>陈展亮</u> _____ Printed Name in Native Language (if other than English)