

PATENT ASSIGNMENT COVER SHEET

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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>DANIEL MARANTZ</td> <td>08/05/2013</td> </tr> <tr> <td>ARUN CHUN-WIN YUEN</td> <td>08/01/2013</td> </tr> <tr> <td>GAURANG P. PRAJAPATI</td> <td>08/01/2013</td> </tr> <tr> <td>PARTHASARATHY GOVINDARAJEN</td> <td>12/17/2013</td> </tr> <tr> <td>KUANSAN WANG</td> <td>11/21/2013</td> </tr> <tr> <td>YU-TING KUO</td> <td>12/12/2013</td> </tr> <tr> <td>ARUN KUMAR SACHETI</td> <td>12/03/2013</td> </tr> <tr> <td>YIN-CHENG TING</td> <td>08/22/2013</td> </tr> </tbody> </table>		Name	Execution Date	DANIEL MARANTZ	08/05/2013	ARUN CHUN-WIN YUEN	08/01/2013	GAURANG P. PRAJAPATI	08/01/2013	PARTHASARATHY GOVINDARAJEN	12/17/2013	KUANSAN WANG	11/21/2013	YU-TING KUO	12/12/2013	ARUN KUMAR SACHETI	12/03/2013	YIN-CHENG TING	08/22/2013
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ARUN KUMAR SACHETI	12/03/2013																		
YIN-CHENG TING	08/22/2013																		
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>13911844</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13911844														
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Application Number:	13911844																		
CORRESPONDENCE DATA																			
Fax Number:	(816)421-5547																		
Phone:	816-474-6550																		
Email:	brush@shb.com																		
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>																			
Correspondent Name:	ANTHONY B. WINGROVE																		
Address Line 1:	SHOOK, HARDY & BACON L.L.P.																		
Address Line 2:	2555 GRAND BLVD.																		
Address Line 4:	KANSAS CITY, MISSOURI 64108																		

OP \$40.00 13911844

ATTORNEY DOCKET NUMBER:	338258.02/MFCP.179914
NAME OF SUBMITTER:	ANTHONY B. WINGROVE
Signature:	/Anthony B. Wingrove/
Date:	12/20/2013

Total Attachments: 16

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PATENT ASSIGNMENT

I, DANIEL MARANTZ ("ASSIGNOR") am an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a nonprovisional patent application entitled "SEARCH INTENT PREVIEW, DISAMBIGUATION, AND REFINEMENT" ("APPLICATION"), which:

will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Shook, Hardy & Bacon L.L.P., 2555 Grand Blvd., Kansas City, Missouri 64108, who are associated with customer number 45809 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on _____ and given Application No. _____ by the following Office (US - United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known;

was filed on June 6, 2013 and was given Application No. 13/911,844 by the following Office (US - United States Patent and Trademark 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"));


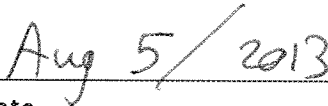
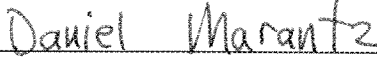
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ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting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

 _____	 _____
DANIEL MARANTZ	Date
 _____	_____
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

I, AARON CHUN-WIN YUEN (“ASSIGNOR”) am an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a nonprovisional patent application entitled “SEARCH INTENT PREVIEW, DISAMBIGUATION, AND REFINEMENT” (“APPLICATION”), which:

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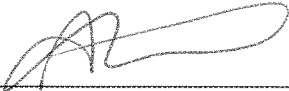
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	<u>8/1/2013</u>
AARON CHUN-WIN YUEN	Date
<u>Aaron Chun-Win Yuen</u>	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

I, GAURANG P. PRAJAPATI (“ASSIGNOR”) am an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a nonprovisional patent application entitled “SEARCH INTENT PREVIEW, DISAMBIGUATION, AND REFINEMENT” (“APPLICATION”), which:

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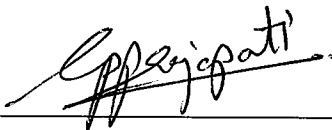
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	8-1-2013
GAURANG P. PRAJAPATI	Date
GAURANG PRAJAPATI	ଝିରିଝି ପ୍ରାଜାପତି
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

I, PARTHASARATHY GOVINDARAJEN ("ASSIGNOR") am an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a nonprovisional patent application entitled "SEARCH INTENT PREVIEW, DISAMBIGUATION, AND REFINEMENT" ("APPLICATION"), which:

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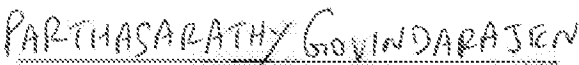
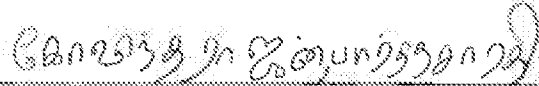
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_____ PARTHASARATHY GOVINDARAJEN	_____ Date
	
_____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

I, KUANSAN WANG ("ASSIGNOR") am an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a nonprovisional patent application entitled "SEARCH INTENT PREVIEW, DISAMBIGUATION, AND REFINEMENT" ("APPLICATION"), which:

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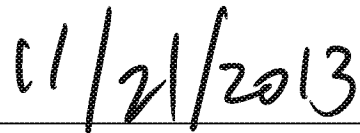

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 _____ KUANSAN WANG  _____ Printed Name in English	 _____ Date  _____ Printed Name in Native Language (if other than English)
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PATENT ASSIGNMENT

I, YU-TING KUO (“ASSIGNOR”) am an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a nonprovisional patent application entitled “SEARCH INTENT PREVIEW, DISAMBIGUATION, AND REFINEMENT” (“APPLICATION”), which:

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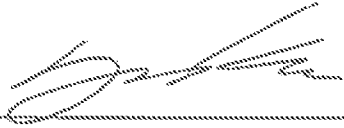
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	12/12/13
YU-TING KUO	Date
YU-TING KUO	郭昱廷
Printed Name in English	Printed Name in Native Language (if other than English)

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I, ARUN KUMAR SACHETI ("ASSIGNOR") am an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a nonprovisional patent application entitled "SEARCH INTENT PREVIEW, DISAMBIGUATION, AND REFINEMENT" ("APPLICATION"), which:

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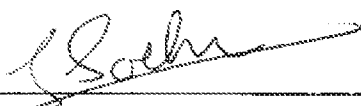
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 _____	<u>12/3/13</u> _____
ARUN KUMAR SACHETI	Date
<u>ARUN SACHETI</u> _____	_____
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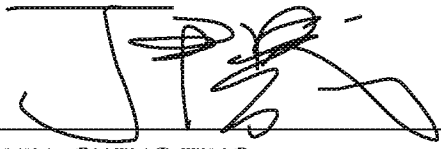
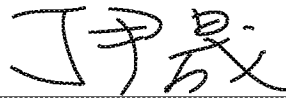
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 YIN-CHENG TING	<u>2013/08/22</u> Date
<u>YIN-CHENG TING</u> Printed Name in English	 Printed Name in Native Language (if other than English)