

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>XUEDONG DAVID HUANG</td> <td>08/22/2012</td> </tr> <tr> <td>SAMUEL Y. SHEN</td> <td>09/11/2012</td> </tr> <tr> <td>HONGJIANG ZHANG</td> <td>09/05/2012</td> </tr> <tr> <td>YONG RUI</td> <td>08/21/2012</td> </tr> </tbody> </table>		Name	Execution Date	XUEDONG DAVID HUANG	08/22/2012	SAMUEL Y. SHEN	09/11/2012	HONGJIANG ZHANG	09/05/2012	YONG RUI	08/21/2012
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XUEDONG DAVID HUANG	08/22/2012										
SAMUEL Y. SHEN	09/11/2012										
HONGJIANG ZHANG	09/05/2012										
YONG RUI	08/21/2012										
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>13609729</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13609729						
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Application Number:	13609729										
CORRESPONDENCE DATA											
Fax Number:	8164215547										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	816-474-6550										
Email:	ssutton@shb.com										
Correspondent Name:	Shook, Hardy & Bacon L.L.P. (Microsoft)										
Address Line 1:	2555 Grand Blvd.										
Address Line 2:	Intellectual Property Dept.										
Address Line 4:	Kansas City, MISSOURI 64108										
ATTORNEY DOCKET NUMBER:	333830.02/MFCP.163560										
NAME OF SUBMITTER:	KELLY T. FEIMSTER										
Total Attachments: 4 source=MFCP_163560_Assignment#page1.tif source=MFCP_163560_Assignment#page2.tif source=MFCP_163560_Assignment#page3.tif source=MFCP_163560_Assignment#page4.tif											

OP \$40.00 13609729

PATENT ASSIGNMENT

We, XUEDONG DAVID HUANG, SAMUEL Y. SHEN, HONGJIANG ZHANG, and YONG RUI ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "GESTURE-BASED SEARCH" ("APPLICATION"), which:

- will be filed without this executed PATENT ASSIGNMENT. 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, to insert here in parenthesis (Application No. 13/609,729, filed 09/11/2012) 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);

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).

XUEDONG DAVID HUANG	Date	Printed Name in Native Language
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8/22/2012

Xuedong Huang

SAMUEL Y. SHEN	Date	Printed Name in Native Language
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HONGJIANG ZHANG	Date	Printed Name in Native Language
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YONG RUI	Date	Printed Name in Native Language
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PATENT ASSIGNMENT

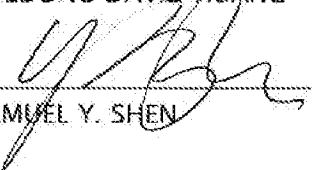
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_____	_____	_____
XUEDONG DAVID HUANG	Date	Printed Name in Native Language
	9/11/12	Samuel Y. Shen
SAMUEL Y. SHEN	Date	Printed Name in Native Language
_____	_____	_____
HONGJIANG ZHANG	Date	Printed Name in Native Language
_____	_____	_____
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XUEDONG DAVID HUANG	Date	Printed Name in Native Language
SAMUEL Y. SHEN	Date	Printed Name in Native Language
 HONGJIANG ZHANG	9/5/2012 Date	HONGJIANG ZHANG Printed Name in Native Language
YONG RUI	Date	Printed Name in Native Language

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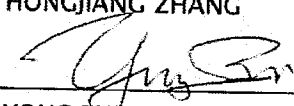
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