

## 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>Zhitao Hou</td> <td>08/09/2012</td> </tr> <tr> <td>Xiao Liang</td> <td>08/09/2012</td> </tr> <tr> <td>Haidong Zhang</td> <td>08/09/2012</td> </tr> <tr> <td>Dongmei Zhang</td> <td>08/09/2012</td> </tr> </tbody> </table>		Name	Execution Date	Zhitao Hou	08/09/2012	Xiao Liang	08/09/2012	Haidong Zhang	08/09/2012	Dongmei Zhang	08/09/2012
Name	Execution Date										
Zhitao Hou	08/09/2012										
Xiao Liang	08/09/2012										
Haidong Zhang	08/09/2012										
Dongmei Zhang	08/09/2012										
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>13589999</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13589999						
Property Type	Number										
Application Number:	13589999										
CORRESPONDENCE DATA											
Fax Number:	5093238979										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	5099444790										
Email:	shani@leehayes.com										
Correspondent Name:	Lee & Hayes, PLLC										
Address Line 1:	601 W Riverside Ave, Suite 1400										
Address Line 4:	Spokane, WASHINGTON 99201										
ATTORNEY DOCKET NUMBER:	MS1-5297US										
NAME OF SUBMITTER:	Shani D. Hoke										
Total Attachments: 2 source=VI5122#page1.tif source=VI5122#page2.tif											

OP \$40.00 13589999

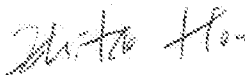
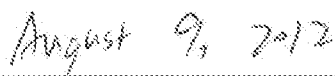
I/WE, Zhitao Hou, Xiao Liang, Haidong Zhang, Dongmei Zhang, . . . ,  
("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in  
a patent application entitled "Data Exploration User Interface" ("APPLICATION"), which:

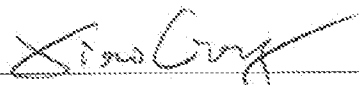
- will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives associated with customer number 22801, to insert here in parenthesis (Application No. 13589999, filed 08/20/2012) this APPLICATION's Application No. and filing date, when known;
- was filed on \_\_\_\_\_ and was given Application No. \_\_\_\_;
- is filed concurrently herewith;

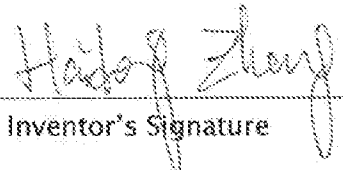
Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom,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

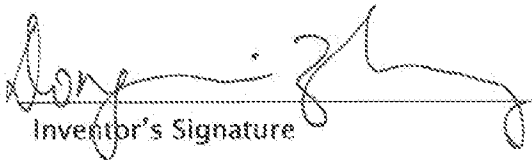
For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

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).

	
_____ Inventor's Signature	_____ Date
Zhitao Hou	侯智涛
_____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

 Inventor's Signature	<u>August 9, 2012</u> Date
<u>Xiao Liang</u> Printed Name in English	<u>梁潇</u> Printed Name in Native Language (if other than English)

 Inventor's Signature	<u>August 9, 2012</u> Date
<u>Haidong Zhang</u> Printed Name in English	<u>张海东</u> Printed Name in Native Language (if other than English)

 Inventor's Signature	<u>August 9, 2012</u> Date
<u>Dongmei Zhang</u> Printed Name in English	<u>张冬梅</u> Printed Name in Native Language (if other than English)