

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT						
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT						
<b>CONVEYING PARTY DATA</b>							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Yunbo Cao</td> <td>04/10/2007</td> </tr> <tr> <td>Hang Li</td> <td>04/10/2007</td> </tr> </tbody> </table>		Name	Execution Date	Yunbo Cao	04/10/2007	Hang Li	04/10/2007
Name	Execution Date						
Yunbo Cao	04/10/2007						
Hang Li	04/10/2007						
<b>RECEIVING PARTY DATA</b>							
<b>Name:</b>	Microsoft Corporation						
<b>Street Address:</b>	One Microsoft Way						
<b>Internal Address:</b>	Patent Docketing Department						
<b>City:</b>	Redmond						
<b>State/Country:</b>	WASHINGTON						
<b>Postal Code:</b>	98052						
<b>PROPERTY NUMBERS Total: 1</b>							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11786636</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11786636		
Property Type	Number						
Application Number:	11786636						
<b>CORRESPONDENCE DATA</b>							
<b>Fax Number:</b>	(612)334-3312						
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<b>Total Attachments: 1</b> source=319048.02 Assignment#page1.tif							

**CH \$40.00 11786636**

**PATENT**

PATENT ASSIGNMENT

We, Yunbo Cao and Hang Li (each "ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "MINING LATENT ASSOCIATIONS OF OBJECTS USING A TYPED MIXTURE MODEL" ("APPLICATION"), which:

- will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Westman Champlin & Kelly P.A., 900 Second Ave. S., Suite 1400, Minneapolis, MN 55402-3319, who are associated with customer number 27366, to insert here in parenthesis (U.S. Serial No. 11/786,636, filed April 12, 2007) this APPLICATION's U.S. Serial Number and filing date, when known;
- was filed on ..... and was given U.S. Serial 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).

Apr 12, 2007  
DATE

Yunbo Cao  
Yunbo Cao

Apr 10, 2007  
DATE

Hang Li  
Hang Li