

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<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>Tie-Yan Liu</td> <td>03/26/2007</td> </tr> <tr> <td>Tao Qin</td> <td>03/16/2007</td> </tr> <tr> <td>Wei-Ying Ma</td> <td>03/16/2007</td> </tr> </tbody> </table>		Name	Execution Date	Tie-Yan Liu	03/26/2007	Tao Qin	03/16/2007	Wei-Ying Ma	03/16/2007
Name	Execution Date								
Tie-Yan Liu	03/26/2007								
Tao Qin	03/16/2007								
Wei-Ying Ma	03/16/2007								
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" 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>11618380</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11618380				
Property Type	Number								
Application Number:	11618380								
CORRESPONDENCE DATA									
Fax Number:	(206)359-4857								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	2063593857								
Email:	kfletcher@perkinscoie.com								
Correspondent Name:	Karin Fletcher								
Address Line 1:	PO Box 1247								
Address Line 2:	SEA-PAT								
Address Line 4:	Seattle, WASHINGTON 98111-1247								
ATTORNEY DOCKET NUMBER:	418268397US								
NAME OF SUBMITTER:	Maurice J. Pirio								
Total Attachments: 1 source=11618380 Assignment#page1.tif									

CH \$40.00 11618380

PATENT

PATENT ASSIGNMENT

I/WE, Tie-Yan Liu, residing at Beijing, China, with a post office address of c/o Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052, Tao Qin, residing at Beijing, China, with a post office address of c/o Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 and Wei-Ying Ma, residing at Beijing, China, with a post office address of c/o Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SUPERVISED RANKING OF VERTICES OF A DIRECTED GRAPH" ("APPLICATION"), which:

will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, Perkins Coie LLP, P.O. Box 1247, Seattle, WA 98111-1247, who are associated with customer number 45979, to insert here in parenthesis (U.S. Serial No.: _____, filed _____) this APPLICATION's U.S. Serial Number and filing date, when known;

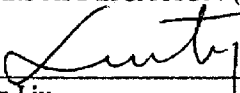
was filed on December 29, 2006 and was given U.S. Serial No. 11/618,380;

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).



Tie-Yan Liu

3/16/2007

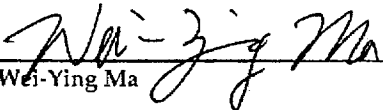
Date



Tao Qin

3/16/2007

Date



Wei-Ying Ma

3/16/2007

Date