

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>Shen Huang</td> <td>02/27/2007</td> </tr> <tr> <td>Min Wang</td> <td>02/27/2007</td> </tr> <tr> <td>Jian-Tao Sun</td> <td>02/27/2007</td> </tr> <tr> <td>Zheng Chen</td> <td>02/27/2007</td> </tr> <tr> <td>Ming Zhou</td> <td>02/27/2007</td> </tr> </tbody> </table>		Name	Execution Date	Shen Huang	02/27/2007	Min Wang	02/27/2007	Jian-Tao Sun	02/27/2007	Zheng Chen	02/27/2007	Ming Zhou	02/27/2007
Name	Execution Date												
Shen Huang	02/27/2007												
Min Wang	02/27/2007												
Jian-Tao Sun	02/27/2007												
Zheng Chen	02/27/2007												
Ming Zhou	02/27/2007												
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>11712808</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11712808								
Property Type	Number												
Application Number:	11712808												
CORRESPONDENCE DATA													
Fax Number:	(612)334-3312												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	612-334-3222												
Email:	tjosephs@wck.com												
Correspondent Name:	Westman, Champlin & Kelly												
Address Line 1:	900 2nd Avenue South, Suite 1400												
Address Line 4:	Minneapolis, MINNESOTA 55402												
ATTORNEY DOCKET NUMBER:	M61.12-1286												
NAME OF SUBMITTER:	Tanya K. Josephs												

OP \$40.00 11712808

Total Attachments: 1
source=318252.01 Assigmt filed#page1.tif

PATENT ASSIGNMENT

We, Shen Huang, Min Wang, Jian-Tao Sun, Zheng Chen and Ming Zhou (each "ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "GRAPH-BASED SEARCH LEVERAGING SENTIMENT ANALYSIS OF USER COMMENTS" ("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. 11/712,808, filed 3/1/2007) 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).

2/27/2007
DATE

2/27/2007
DATE

2/27/2007
DATE

2/27/2007
DATE

Shen Huang
Shen Huang

Min Wang
Min Wang

Jian-Tao Sun
Jian-Tao Sun

Zheng Chen
Zheng Chen

M. Zhou
Ming Zhou