

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ZAIQING NIE	05/07/2010
YONG CAO	05/07/2010
GANG LUO	05/07/2010
RUOCHI ZHANG	05/07/2010
XIAOJIANG LIU	05/06/2010
YUNXIAO MA	05/06/2010
BO ZHANG	05/07/2010
YING-QING XU	05/07/2010
JI-RONG WEN	05/06/2010
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<b>Name:</b>	MICROSOFT CORPORATION
<b>Street Address:</b>	ONE MICROSOFT WAY
<b>City:</b>	REDMOND
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98052
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15975972
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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<b>Address Line 4:</b>	REDMOND, WASHINGTON 98052
<b>ATTORNEY DOCKET NUMBER:</b>	328291-US-CNT
<b>NAME OF SUBMITTER:</b>	KATRINA A. LYON

<b>SIGNATURE:</b>	/Katrina A. Lyon/
<b>DATE SIGNED:</b>	05/11/2018
<b>Total Attachments: 4</b> source=328291-US-CNT_Executed-Assignment#page1.tif source=328291-US-CNT_Executed-Assignment#page2.tif source=328291-US-CNT_Executed-Assignment#page3.tif source=328291-US-CNT_Executed-Assignment#page4.tif	

PATENT ASSIGNMENT

MS Docket No.: 328291.01

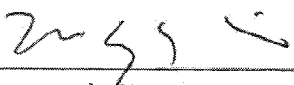
I/WE, Zaiqing Nie, Yong Cao, Gang Luo, Ruochi Zhang, Xiaojiang Liu, Yunxiao Ma, Bo Zhang, Ying-Qing Xu and Ji-Rong Wen ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "AUTOMATED SOCIAL NETWORKING GRAPH MINING AND VISUALIZATION", which:


- will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052, who are associated with customer number 69316, to insert here in parenthesis (Application No. 12/780522, filed 05/14/2010 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);

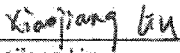
ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).


	<u>5/7/2010</u>
Inventor's Signature	Date
<u>ZAIQING NIE</u>	<u>聂再清</u>
Zaiqing Nie	聂再清
Printed Name in English	Printed Name in Native Language (if other than English)

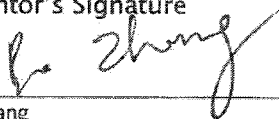
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Inventor's Signature	Date
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Inventor's Signature	Date
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