

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3082557

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ZAIQING NIE	06/25/2013
XIAOJIANG LIU	10/20/2014
JUN ZHU	10/22/2014
JI-RONG WEN	06/25/2013
RECEIVING PARTY DATA	
Name:	Microsoft Corporation
Street Address:	One Microsoft Way
City:	Redmond
State/Country:	WA
Postal Code:	98052-6399
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13797920
CORRESPONDENCE DATA	
Fax Number:	(509)944-4692
<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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Address Line 4:	SPOKANE, WASHINGTON 99201
ATTORNEY DOCKET NUMBER:	MS1-4960USC1
NAME OF SUBMITTER:	LYNNE MAHAN
SIGNATURE:	/Lynne Mahan/
DATE SIGNED:	10/27/2014
Total Attachments: 8	
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PATENT ASSIGNMENT MS Docket No.: 329306.01

Attorney Docket No.: MS1- 4960USC1

I, Zaigang Nie ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled

WEB-SCALE ENTITY RELATIONSHIP EXTRACTIONzhrtz

("APPLICATION"), which:

- will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on _____ and given Application No. _____ by the following Office US - United States Patent and Trademark Office) this APPLICATION'S Application No., filing date, and Office, when known;
- was filed on 3/12/2013 and was given Application No 13/797,920 by the following Office "US - United States Patent and Trademark Office";

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"));

ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known:

Application No.	Filing Date	Office

PATENT ASSIGNMENT MS Docket No.: 329396.01

Attorney Docket No.: MS1-4960USC1

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, ASSIGNOR's 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>Zaiqing Nie</u> Inventor's Signature	<u>6/25/2013</u> Date
<u>Zaiqing Nie</u> Printed Name in English	<u>聂再清</u> Printed Name in Native Language (If other than English)

PATENT ASSIGNMENT MS Docket No.: 329366.01

Attorney Docket No.: MS1- 4960USC1

I, Xiaojiang Liu ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled

WEB-SCALE ENTITY RELATIONSHIP EXTRACTIONzhrtz

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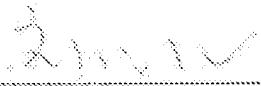
Application No.	Filing Date	Office

PATENT ASSIGNMENT MS Docket No.: 329308.01

Attorney Docket No.: MS1-4960USC1

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	2013.10.20
_____ Inventor's Signature	_____ Date
Xiaojiang Liu	刘晓江
_____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 329306.01

Attorney Docket No.: MS1- 4960USC1

I Jun Zhu ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled

WEB-SCALE ENTITY RELATIONSHIP EXTRACTION:zhrtz

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Application No.	Filing Date	Office

PATENT ASSIGNMENT MS Docket No.: 329308.01

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 _____ Inventor's Signature	<u>Oct 22, 2014</u> _____ Date
<u>Jun Zhu</u> _____ Printed Name in English	<u>朱尊</u> _____ Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 329306.01

Attorney Docket No.: MS1- 4960USC1

I Ji-Rong Wen ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled

WEB-SCALE ENTITY RELATIONSHIP EXTRACTIONzhrtz

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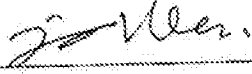
Application No.	Filing Date	Office

PATENT ASSIGNMENT MS Docket No.: 329306.01

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	<u>6/25/2013</u>
Inventor's Signature	Date
Ji-Rong Wen	<u>文继荣</u>
Printed Name in English	Printed Name in Native Language (if other than English)