# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
Jianfeng Gao	11/03/2011
Mei-Yuh Hwang	11/08/2011
Xuedong D. Huang	11/03/2011
Christopher Brian Quirk	11/10/2011
Zhenghao Wang	11/04/2011

### **RECEIVING PARTY DATA**

Name:	Microsoft Corporation	
Street Address:	One Microsoft Way	
City:	Redmond	
State/Country:	WASHINGTON	
Postal Code:	98052	

# PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13296640

# **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER: 334548.01

NAME OF SUBMITTER: Gopal Sharma

501725113 PATENT REEL: 027231 FRAME: 0977

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# Total Attachments: 8 source=334548-01-Executed-Assignment#page1.tif source=334548-01-Executed-Assignment#page2.tif source=334548-01-Executed-Assignment#page3.tif source=334548-01-Executed-Assignment#page4.tif source=334548-01-Executed-Assignment#page5.tif source=334548-01-Executed-Assignment#page6.tif source=334548-01-Executed-Assignment#page7.tif source=334548-01-Executed-Assignment#page8.tif

PATENT REEL: 027231 FRAME: 0978

I/WE, Jianfeng Gao, Mei-Yuh Hwang, Xuedong D. Huang, Christopher Brian Quirk, Zhenghao Wang ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Statistical Machine Translation Based Search Query Spelling Correction" ("APPLICATION"), which:

X	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. $\frac{13/296640}{}$ ,
	filed $\frac{11/15/2011}{}$ this APPLICATION's Application No. and filing date, when
	known;
	was filed on;
	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).

Panfongha	11/3/2011
Inventor's Signature	Date
Jianfeng Gao	满剑峰
Printed Name in English	Printed Name in Native Language (if
	other than English)

<u> </u>	
nventor's Signature	Date 11/8/2011
rinted Name in English	Printed Name in Native Language (if other than English)
nventor's Signature	Date
(uedong D. Huang	
Printed Name in English	Printed Name in Native Language (if other than English)
•	
·	
nventor's Signature	Date
Christopher Brian Quirk	
Printed Name in English	Printed Name in Native Language (if
	other than English)
	Date
Inventor's Signature	Date
Zhenghao Wang	

I/WE, Jianfeng Gao, Mei-Yuh Hwang, Xuedong D. Huang, Christopher Brian Quirk, Zhenghao Wang ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Statistical Machine Translation Based Search Query Spelling Correction" ("APPLICATION"), which:

Query Spelling	Correction" ("APPLICATION"), which:
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Inventor's Signature	Date	
Jianfeng Gao		
Printed Name in English	Printed Name in Native Language (if	
	other than English)	

Invento	r's Signature	Date
Mei-Yu	h Hwang	
Printed	Name in English	Printed Name in Native Language (if
		other than English)

Inventor's Signature	Date
Xuedong D. Huang	ay 11/3/2011
Printed Name in English	Printed Name in Native Language (if
	other than English)

Inventor's Signature	Date
Christopher Brian Quirk	
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Inventor's Signature	Date
Zhenghao Wang	
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Inventor's Signature	Date	
Jianfeng Gao		
Printed Name in English	Printed Name in Native Language (if	
	other than English)	

inventor's Signature	Date
Mei-Yuh Hwang	
Printed Name in English	Printed Name in Native Language (if other than English)
nventor's Signature	Date
(uedong D. Huang	
Printed Name in English	Printed Name in Native Language (if other than English)
	10 NOV 2011
CLB CL nventor's Signature	10 NOV 2011 Date
Christopher Brian Quirk	Date Printed Name in Native Language (if
Christopher Brian Quirk	Date
Christopher Brian Quirk	Date Printed Name in Native Language (if
Christopher Brian Quirk	Date Printed Name in Native Language (if
Inventor's Signature  Christopher Brian Quirk  Printed Name in English	Date Printed Name in Native Langu
nristopher Brian Quirk Inted Name in English	Date Printed Name in Native Language (if
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Page 2 of 2

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APPLICATION (and APPLICATION DERIVATIVES);

Inventor's Signature	Date
Jianfeng Gao	
Printed Name in English	Printed Name in Native Language (if other than English)

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Printed Name in Native Language (if other than English)
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Printed Name in Native Language (if other than English)
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Page 2 of 2