

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT4168368

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
XIUJUN LI	12/01/2016
PAUL ANTHONY CROOK	12/02/2016
LI DENG	12/01/2016
JIANFENG GAO	12/01/2016
YUN-NUNG CHEN	12/02/2016
XUESONG YANG	12/01/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICROSOFT TECHNOLOGY LICENSING, LLC
<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>
<b>Application Number:</b>	15368380
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(509)323-8979
<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>	
<b>Phone:</b>	(509) 324-9256
<b>Email:</b>	leanns@leehayes.com
<b>Correspondent Name:</b>	LEE & HAYES, PLLC
<b>Address Line 1:</b>	601 WEST RIVERSIDE, SUITE 1400
<b>Address Line 4:</b>	SPOKANE, WASHINGTON 99201
<b>ATTORNEY DOCKET NUMBER:</b>	MS1-6629US
<b>NAME OF SUBMITTER:</b>	LEANN M CARMAN
<b>SIGNATURE:</b>	/LeAnn M Carman/
<b>DATE SIGNED:</b>	12/02/2016
<b>Total Attachments: 12</b>	

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

JOINT LANGUAGE UNDERSTANDING AND DIALOGUE MANAGEMENT

("APPLICATION"), which:

will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Microsoft Technology Licensing, LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on December 2, 2016 and given Application No. 15/368,380 by the following Office US - United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known;

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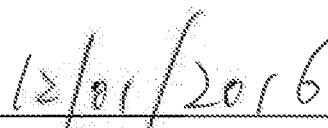

Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

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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).

	
_____ Inventor's Signature	_____ Date
Xiujun Li	
_____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

MS Docket No.: 361186.01 / 400424-US-NP

Attorney Docket No.: MS1- 6629US

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

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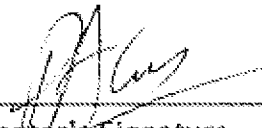
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	<u>12/2/2016</u>
Inventor's Signature	Date
Paul Anthony Crook	
Printed Name in English	Printed Name in Native Language (if other than English)

I Li Deng (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled

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
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	12/01/2016
_____ Inventor’s Signature	_____ Date
Li Deng	
_____ Printed Name in English	_____ Printed Name in Native Language (if other than English)



I Jianfeng Gao (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled

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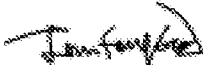
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	12/01/2016
_____ Inventor’s Signature	_____ Date
Jianfeng Gao	高剑峰
_____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Yun-Nung Chen (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled

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<u>Yun-Nung Chen 陳縉儂</u>	<u>12/02/2016</u>
Inventor's Signature	Date
<u>Yun-Nung Chen</u>	<u>陳縉儂</u>
Printed Name in English	Printed Name in Native Language (if other than English)

I Xuesong Yang (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled

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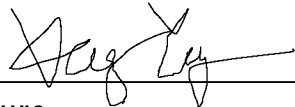
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 <hr/> Inventor's Signature	12/01/2016 <hr/> Date
Xuesong Yang <hr/> Printed Name in English	杨雪松 <hr/> Printed Name in Native Language (if other than English)