PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3570316

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JIFENG DAI	10/01/2015
KAIMING HE	10/07/2015
JIAN SUN	10/12/2015

RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC	
Street Address:	ONE MICROSOFT WAY	
City:	REDMOND	
State/Country:	WASHINGTON	
Postal Code:	98052	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14883372

CORRESPONDENCE DATA

Fax Number: (509)323-8979

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.

Phone: 509.324.9256

Email: janisa@leehayes.com LEE & HAYES, PLLC **Correspondent Name:** Address Line 1: 601 W. RIVERSIDE AVE.

Address Line 2: **SUITE 1400**

Address Line 4: SPOKANE, WASHINGTON 99201

ATTORNEY DOCKET NUMBER:	MS1-6245US
NAME OF SUBMITTER:	JANIS ABBOTT
SIGNATURE:	/Janis Abbott/
DATE SIGNED:	10/15/2015

Total Attachments: 6

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PATENT REEL: 036796 FRAME: 0479 503523690

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> PATENT REEL: 036796 FRAME: 0480

PATENT ASSIGNMENT		MS Docket N	lo.: 357631.01
		Attorney Docket N	o.: MS1- 6245US
or an origina a patent app	lication entitled	i("ASSIGNOR" ubject matter ("INVENTION") di IG NETWORKS FOR SEMANTIC SE	sclosed and/or claimed in
("APPLICATIO	DN"), which:		
	ASSIGNEE'S legal LLC., One Microsof LEGAL REPRESENT on October 14, 201 the following Office	ASSIGNOR hereby authorize representative, Microsoft Teclif Way, Redmond, Washington (ATIVES), to insert here in and given Application No. EUS – United States Patent and Application No., filing date,	nnology Licensing, 98052 (ASSIGNEE'S parentheses (filed 14/883,372 by Trademark Office)
		and was given Appli by the following Office <u>US -</u> ark Office;	
behalf of itse of acquiring, priority, in the derived there	if and its successore the entire and exe te INVENTION and t efrom, such as cont	ensing, LLC, a Washington lims and assigns ("ASSIGNEE"), is eclusive rights, title and interected all other inuing applications, in whole all foreign countries ("APPLICATION")	ntitied to, and is desirous st, including the right of applications and patents or in part, in and for the
to insert the	Application No., f	zes, and requests, ASSIGNEE'S ling date, and Office into the	
Application	I DERIVATIVES after No.	Filing Date Off	ice

Page 1 of 2

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, 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"));

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).

Tilona Dai	10/1/2016
Inventor's Signature	Date
Jifeng Dai	代秦峰
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT	MS Docket No	o.: 357631.01
	Attorney Docket No	D.: MS1- 6245US
or an original joint inventor of su a patent application entitled	("ASSIGNOR") bject matter ("INVENTION") dis	closed and/or claimed in
("APPLICATION"), which:		
ASSIGNEE'S legal r LLC., One Microsof LEGAL REPRESENT on <u>October 14, 2013</u> the following Office	ASSIGNOR hereby authorizes epresentative, Microsoft Tech tway, Redmond, Washington 9 ATIVES), to insert here in part and given Application No. 12 US – United States Patent and States Application No., filing date,	nology Licensing, 18052 (ASSIGNEE'S parentheses (filed 14/883,372 by Trademark Office)
	and was given Applic by the following Office <u>US -</u> ark Office;	
behalf of itself and its successors of acquiring, the entire and exc priority, in the INVENTION and the derived therefrom, such as cont United States, its territories, and	clusive rights, title and interes ne APPLICATION (and all other inuing applications, in whole o	ntitled to, and is desirous it, including the right of applications and patents or in part, in and for the ATION DERIVATIVES"));
to insert the Application No., fi	ling date, and Office into the	
APPLICATION DERIVATIVES after Application No.	Filing Date Offi	ce

Page 1 of 2

PATENT ASSIGNMENT	MS Docket No.: 357631.01 Attorney Docket No.: MS1- 6245US	

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, 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"));

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).

Kad mains He	2015-10-7
Inventor's Signature	Date
Kaiming He	何心则
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT		MS Docket	No.:	357631.01
		Attorney Docket	No.:	MS1- 6245US
or an origina a patent app	il Joint inventor of su lication entitled	("ASSIGNO ibject matter ("INVENTION") G NETWORKS FOR SEMANTIC	disclos	sed and/or claimed in
("APPLICATIO	ON"), which:			
	ASSIGNEE'S legal of LLC., One Microsoft LEGAL REPRESENT on October 14, 201 the following Office	ASSIGNOR hereby authoricepresentative, Microsoft To t Way, Redmond, Washingto ATIVES), to insert here in 5 and given Application No 2 <u>US - United States Patent a</u> 5 Application No., filing da	echnolo n 9805 n pare o. <u>14/8</u> nd Tra	ogy Licensing, 52 (ASSIGNEE'S Intheses (filed 883,372 by demark Office)
	was filed on	and was given Ap	nlicatio	òn
		by the following Office <u>U</u>		
behalf of itse of acquiring, priority, in the derived there	elf and its successors the entire and exi ne INVENTION and t efrom, such as cont	ensing, LLC, a Washington list and assigns ("ASSIGNEE"), its clusive rights, title and intended the APPLICATION (and all othe linuing applications, in who all foreign countries ("APPL	s entitl rest, in er app le or in	ed to, and is desirous ncluding the right of polications and patents n part, in and for the
to insert the		zes, and requests, ASSIGNEE ling date, and Office into		
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Page 1 of 2

PATENT ASSIGNMENT	MS Docket No.: 357631.01	
	Attorney Docket No.: MS1-6245US	
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520	Oct 12. 2015
Inventor's Signature	Date
Jian Sun	孙剑
Printed Name in English	Printed Name in Native Language (if other than English)