504158885 12/30/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4205559

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BIN LI	03/09/2016
JI-ZHENG XU	03/09/2016

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:	15319797

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ATTORNEY DOCKET NUMBER:	3382-93147-02
NAME OF SUBMITTER:	KYLE B. RINEHART
SIGNATURE:	/Kyle B. Rinehart/
DATE SIGNED:	12/30/2016

Total Attachments: 4

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> **PATENT** REEL: 040808 FRAME: 0439 504158885

MS Docket No. 355154.01

PATENT ASSIGNMENT

subject matter	("INVENTION") di	sclosed and/or claimed in	n original joint inventor of a patent application entitled DES" ("APPLICATION"), which:
	legal representa Microsoft Way, REPRESENTATIV and given Appli Office of the Pe	atives, of Microsoft Techno Redmond, Washington 980 ES) to insert here in parent cation Noby th	052 (ASSIGNEE'S LEGAL theses (filed on, ne State Intellectual Property (O/CN)) this APPLICATION's
\boxtimes	PCT/CN2014/0	<u>e 19, 2014,</u> and was given <u>80302</u> by the State Intellec lic of China (RO/CN)	
behalf of itself desirous of acq right of priority patents derived for the United S DERIVATIVES"))	and its successo pairing, the entire r, in the INVENTION I therefrom, such states, its territor CR hereby author	rs and assigns ("ASSIGNEE" and exclusive rights, title DN and the APPLICATION (a as continuing application ries, and all foreign countri	and interest, including the and all other applications and s, in whole or in part,in and les ("APPLICATION") SEE'S LEGAL REPRESENTATIVES
	7	they are known;	ie fonowing table for any
Application No),	Filing Date	Office
			<u> </u>

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to

MS Docket No.: 355154.01

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).

Bin Li タング Printed Name in English Printed Name in Native Language (if other than English)

MS Docket No.: 355154.01

PATENT ASSIGNMENT

inventor of subje	ect matter ("INVE led "UNIFIED INT	t"), am the original invent INTION") disclosed and/o TRA BLOCK COPY AND INT	r claimed in a patent
\$ \$	egal represental Microsoft Way, R REPRESENTATIVE and given Applic Office of the Peo	tives, of Microsoft Techno tedmond, Washington 98 (5) to insert here in paren tation No by t	theses (filed on, he State Intellectual Property RO/CN)) this APPLICATION's
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behalf of itself a desirous of acqu right of priority, patents derived for the United St DERIVATIVES"));	nd its successor iring, the entire in the INVENTIC therefrom, such ates, its territoric hereby authorication No., fili	s and assigns ("ASSIGNEE and exclusive rights, title IN and the APPLICATION of as continuing application ies, and all foreign counti zes, and requests, ASSIGI ng date, and Office into t	e and interest, including the (and all other applications and as, in whole or in part,in and
Application No.		Filing Date	Office

MS Docket No.: 355154.01

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).

Jishung Din	Mar 9, 2016
inventor's Signature	Date 14 14 6-
JiZheng Xu	2/30 WE
Printed Name in English	Printed Name in Native Language (if other than English)