504101090 11/17/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4147759

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
	Corrective Assignment to correct the EXECUTION DATE OF ASSIGNOR JINGHAO SHI previously recorded on Reel 039871 Frame 0253. Assignor(s) hereby confirms the CORRECT EXECUTION DATE FOR ASSIGNOR JINGHAO SHI IS 01/07/2016.

CONVEYING PARTY DATA

Name	Execution Date
RANVEER CHANDRA	09/27/2016
JINGHAO SHI	01/07/2016
SAM M. SARMAST	07/01/2016
MARK A. CHAMPION	01/05/2016
SHUVENDU K. LAHIRI	08/07/2016

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:	14987655

CORRESPONDENCE DATA

Fax Number: (509)252-5002

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: 4257079382

Email: usdocket@microsoft.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	358651.01
NAME OF SUBMITTER:	ALEX LEA
SIGNATURE:	/alex lea/
DATE SIGNED:	11/17/2016

PATENT REEL: 040647 FRAME: 0926

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Total Attachments: 12 source=358651-01_Assignment_CHANDRA#page1.tif source=358651-01_Assignment_CHANDRA#page2.tif source=358651-01_Assignment_SHI#page1.tif source=358651-01_Assignment_SHI#page2.tif source=358651-01_Assignment_SARMAST#page1.tif source=358651-01_Assignment_SARMAST#page2.tif source=358651-01_Assignment_CHAMPION#page1.tif source=358651-01_Assignment_CHAMPION#page2.tif source=358651-01_Assignment_LAHIRI#page1.tif source=358651-01_Assignment_LAHIRI#page1.tif source=358651-01_Assignment_LAHIRI#page2.tif source=358651.01_Original Cover Sheet 2016-09-27#page1.tif source=358651.01_Original Cover Sheet 2016-09-27#page2.tif

PATENT REEL: 040647 FRAME: 0927



United States Patent and Trademark Office





Electronic Patent Assignment System

Confirmation Receipt

Your assignment has been received by the USPTO. The coversheet of the assignment is displayed below:

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
RANVEER CHANDRA	09/27/2016	
JINGHAO SHI, Q	07/07/2016	
SAM M SARMAST	07/01/2016	
MARK A CHAMPION	01/05/2016	
SHUVENDU K LAHIRI	08/07/2016	

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:	14987655	

CORRESPONDENCE DATA

Fax Number: (509)252-5002 Phone: 425-707-9382

Email: usdocket@microsoft.com

PATENT

REEL: 040647 FRAME: 0928/2016 6:05 PM

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. Correspondent Name: MICROSOFT CORPORATION Address Line 1: ONE MICROSOFT WAY REDMOND, WASHINGTON 98052 Address Line 4: ATTORNEY DOCKET NUMBER: 358651.01 NAME OF SUBMITTER: ALEX LEA Signature: /alex lea/ Date: 09/27/2016 **Total Attachments: 10** source=358651-01_Assignment_CHANDRA#page1.tif source=358651-01_Assignment_CHANDRA#page2.tif source=358651-01_Assignment_SHI#page1.tif source=358651-01_Assignment_SHI#page2.tif source=358651-01_Assignment_SARMAST#page1.tif source=358651-01_Assignment_SARMAST#page2.tif source=358651-01_Assignment_CHAMPION#page1.tif source=358651-01_Assignment_CHAMPION#page2.tif source=358651-01_Assignment_LAHIRI#page1.tif source=358651-01_Assignment_LAHIRI#page2.tif RECEIPT INFORMATION EPAS ID: PAT4071836 Receipt Date: 09/27/2016

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PATENT

REEL: 040647 FRAME: 0929/2016 6:05 PM

inventor of	subject matter (entitled " <u>VERIFIC</u> A	"INVENTION") disclosed	inventor or an original join and/or claimed in a paten PROTOCOL IMPLEMENTATION	
	ASSIGNEE'S legal LLC, One Microso LEGAL REPRESEN on No. Patent and Trade	ASSIGNOR hereby authrepresentative of Microsofft Way, Redmond, Washing TATIVES), to insert here and by the following Offimark Office, when known;	t Technology Licensing, gton 98052 (ASSIGNEE'S in parentheses (filed given Application ice <u>US – United States</u>	
	was filed on <u>January 4, 2015</u> and was given Application No <u>14/987,655</u> by the following Office " <u>US – The United States Patent and Trademark Office</u> ";			
behalf of its desirous of a right of prior patents deriv	self and its succe acquiring, the enti rity, in the INVENTI ved therefrom, suc ited States, its	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION h as continuing application	n limited liability company, or GNEE"), is entitled to, and is tle and interest, including the (and all other applications and ins, in whole or in part, in and ign countries ("APPLICATION	
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	following table for any APPLICATION DERIVATIVES after they are known; Application No. Filing Date Office			
Application	10.	Filling Date	Office	

Page 1 of 2

MS Docket No.: <u>358651.01</u>

PATENT ASSIGNMENT		MS Docket No.:	358651.01

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).

Raweer Cham Inventor's Signature	27 th September, 2016 Date
Ranveer Chandra	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 358651.01

of subject	matter ("INVENTIC	ON") disclosed and/o	nventor or an original joint inventor or claimed in a patent application ("APPLICATION")
	LLC, One Microso LEGAL REPRESEN on No. Patent and Trade	representative of Micoft Way, Redmond, Wa NTATIVES), to insert and by the following	authorizes, and requests, crosoft Technology Licensing, ashington 98052 (ASSIGNEE'S there in parentheses (filed digiven Application of Office US - United States PPLICATION's Application No.,
		he following Office " <u>U</u>	given Application No <u>JS - The United States Patent</u>
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Page 1 of 2

PATENT REEL: 040647 FRAME: 0932

PATENT ASSIGNMENT	MS Docket No.:	358651.01

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	01/07/2016
Inventor's Signature	Date
Jinghao Shi	JINGHAO SHI
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT

REEL: 040647 FRAME: 0933

PATENT ASSIGNMENT MS Docket No.: 358651.01

		original inventor or an ori	
		losed and/or claimed in	
		<u>LESS PROTOCOL IMPLEM</u>	<u> ENTATION</u>
("APPLICATION"), which			
ASSIGNEE' LLC, One I	S legal representative of M Microsoft Way, Redmond, V	y authorizes, and reque licrosoft Technology Licens Vashington 98052 (ASSIGN rt here in parentheses (I id given Applica	ing, EE'S filed
		ng Office <u>US – United St</u>	
	<u>l Trademark Office</u>) this A , and Office, when known;	PPLICATION's Application	No.,
<u>14/987,65</u> <u>and Trade</u>	mark Office";	s given Application No <u>US – The United States Pate</u> shington limited liability co	
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REPRESENTATIVES to in		requests, ASSIGNEE'S ., filing date, and Office after they are known;	
Application No.	Filing Date	Office	
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Page 1 of 2

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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

Sam M. Sarmast

Printed Name in English

7/1/2016

Date

Printed Name in Native Language

(if other than English)

PATENT ASSIGNMENT MS Docket No.: 358651,01

inventor of	subject matter (entitled " <u>VERIFICA</u>	SSIGNOR") am the or "INVENTION") disclo <u>TION OF A WIRELE</u>	sed and/or claimed	i in a patent
	ASSIGNEE'S legal of LLC, One Microso LEGAL REPRESENT ON No. Patent and Trade	ASSIGNOR hereby representative of Mic ft Way, Redmond, Wa TATIVES), to insert and by the following mark Office) this APF ffice, when known;	rosoft Technology Li shington 98052 (ASS here in parenthese given App Office <u>US – Unite</u> s	censing, SIGNEE'S es (filed plication d States
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behalf of its desirous of right of prio patents deri	self and its succe acquiring, the enti rity, in the INVENTI ved therefrom, suc ited States, its	censing, LLC, a Wash ssors and assigns (re and exclusive righ ON and the APPLICAT h as continuing appl territories, and all	'ASSIGNEE"), is entit its, title and interest FION (and all other a ications, in whole or	led to, and is , including the pplications and in part, in and
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Page 1 of 2

PATENT	ASSIGNMENT	MS Docket No.:	358651.01

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).

-Z. 2 2000	1/5/16
Inventor's Signature	Date
Mark A. Champion	
Printed Name in English	Printed Name in Native Language
	(if other than English)

inventor of	subject matter	("INVENTION") disclosed	and/or claimed in a patent
application ("APPLICATIO		ATION OF A WIRELESS F	PROTOCOL IMPLEMENTATION
	LLC, One Microso LEGAL REPRESEN on No. Patent and Trade	ASSIGNOR hereby auth representative of Microsof ft Way, Redmond, Washing TATIVES), to insert here and by the following Offimark Office) this APPLICA ffice, when known;	t Technology Licensing, gton 98052 (ASSIGNEE'S in parentheses (filed given Application ice <u>US – United States</u>
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Application N		Filing Date	Office

Page 1 of 2

MS Docket No.: <u>358651.01</u>

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a Nici	8/7/16
Inventor's Signature	Date
Shuvendu K. Lahiri	. *
Printed Name in English	Printed Name in Native Language
and the second s	(if other than English)