## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5526542

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ISHAI BEN AROYA	02/28/2017
ANDREW JAMES EDWARDS	03/15/2017
JEAN GHANEM	03/03/2017
DAVID ALLEN GOEBEL	03/17/2017
JIESHENG WU	03/07/2017
MATTHEW DOUGLAS HENDEL	02/28/2018

#### **RECEIVING PARTY DATA**

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Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14708286

#### **CORRESPONDENCE DATA**

Fax Number: (206)344-3113

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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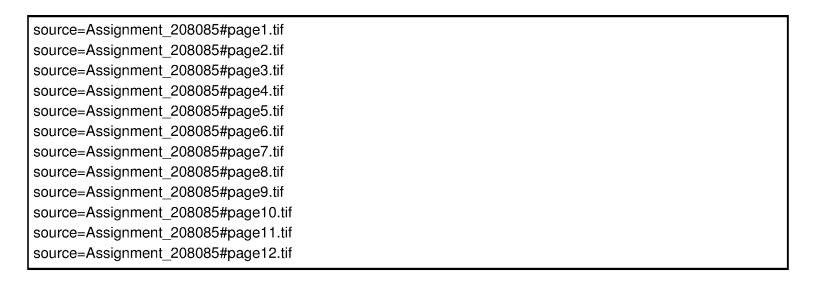
SHOOK HARDY & BACON L.L.P. Correspondent Name: Address Line 1: 701 FIFTH AVENUE SUITE 6800 Address Line 4: SEATTLE, WASHINGTON 98104

ATTORNEY DOCKET NUMBER:	341771-US-NP/208085
NAME OF SUBMITTER:	BROOKE READ
SIGNATURE:	/Brooke Read/
DATE SIGNED:	05/16/2019

**Total Attachments: 12** 

**PATENT** REEL: 049199 FRAME: 0417

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PATENT REEL: 049199 FRAME: 0418

I <u>ISHAI BEN AROYA</u> ("A inventor of subject matter application entitled " <u>FILE SEF</u> ("APPLICATION"), which:	("INVENTION") dis		a patent
ASSIGNEE'S legal Grand Blvd., Kan REPRESENTATIVE on No. Patent and Trade	representative, Sh sas City, Missouri S), to insert by the follov	by authorizes, and requenook, Hardy & Bacon L.L.P., 2564108–2613 (ASSIGNEE'S LEG here in parentheses (found found parentheses (found found fo	555 GAL iled tion <u>ites</u>
	he following Office	given Application No e " <u>US – United States Patent a</u>	<u>nd</u>
behalf of itself and its succe desirous of acquiring, the ent right of priority, in the INVENT patents derived therefrom, su for the United States, its DERIVATIVES"));	essors and assign tire and exclusive TON and the APPLI ch as continuing a territories, and	rights, title and interest, inc ICATION (and all other applications, in whole or in parties ("API	to, and is luding the ations and art, in and PLICATION
ASSIGNOR hereby REPRESENTATIVES to insert following table for any APPLIC	the Application 1		
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Attorney Docket No.: 341771-US-PSP/MFCP.208085

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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"));

	The Ch Arms	2129 m
	Inventor's Signature	Date
	ISHAI BEN AROYA	4444
**********	Printed Name in English	Printed Name in Native Language
		(if other than English)

joint invento	r of subject mat entitled " <u>FILE SE</u> P	ter ("INVENTION") (	im the original invento disclosed and/or clair ARED FILE ACCESS-RI	ned in a patent
	ASSIGNEE'S legal Grand Blvd., Kan REPRESENTATIVE on No. Patent and Trade filing date, and C	representative, Sho sas City, Missouri 6 S), to insert h and and by the following mark Office) this A	ing Office <u>US – Unit</u> APPLICATION's Applici	P., 2555 E'S LEGAL es (filed pplication <u>ed States</u>
<b>△</b>		he following Office	given Application No <u>"US – United States Pa</u>	tent and
behalf of its desirous of right of prior patents deriv	self and its succo acquiring, the ent rity, in the INVENT ved therefrom, su ited States, its	essors and assigns ire and exclusive r TON and the APPLIC ch as continuing ap	shington limited liabil ("ASSIGNEE"), is ent ights, title and intere: CATION (and all other oplications, in whole c Ill foreign countries	litled to, and is st, including the applications and or in part, in and
REPRESENTA		the Application N	l requests, ASSIC o., filing date, and Safter they are known	Office into the
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Attorney Docket No.: 341771-US-PSP/MFCP.208085

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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")):

Inventor's Signature	3/15/2017 Date
ANDREW JAMES EDWARDS	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>JEAN GHANEM</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled " <u>FILE SERVICE USING A SHARED FILE ACCESS-REST INTERFACE</u> " ("APPLICATION"), which:
will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Shook, Hardy & Bacon L.L.P., 2555 Grand Blvd., Kansas City, Missouri 64108-2613 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on and given Application No by the following Office US - United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known;
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"));
ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;
Application No. Filing Date Office

Attorney Docket No.: 341771-US-NP/MFCP.208085

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"));

	03/03/2017
Inventor's Signature	Date
JEAN GHANEM	
Printed Name in English	Printed Name in Native Language
	(if other than English)

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			and/or claimed in a paten
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	will be filed.	ASSIGNOR hereby auth	orizes, and requests,
		representative, Shook, Har	
	_	as City, Missouri 64108–2	
		), to insert here in	
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		ffice, when known;	• •
$\boxtimes$	was filed on May	<u>11, 2014</u> and was given A <sub>l</sub>	pplication No
		e following Office " <u>US – U</u>	
	Trademark Office	•	
Micro	soft Technology Li	censing, LLC, a Washingto	n limited liability company, or
behalf of its	self and its succe	ssors and assigns ("ASSI	GNEE"), is entitled to, and is
desirous of	acquiring, the enti	re and exclusive rights, ti	tle and interest, including the
right of prior	ity, in the INVENTI	ON and the APPLICATION	(and all other applications and
patents deriv	ved therefrom, suc	h as continuing applicatio	ns, in whole or in part, in and
for the Un	ited States, its	territories, and all forei	ign countries ("APPLICATION
DERIVATIVES	"));		
ASSIG	NOR hereby	authorizes, and requ	uests, ASSIGNEE'S LEGAI
REPRESENTA	TIVES to insert t	he Application No., filin	g date, and Office into the
following tak	ole for any APPLICA	TION DERIVATIVES after th	jey are known;
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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")):

D-11411	3/17/17
Inventor's Signature	Date
DAVID ALLEN GOEBEL	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>JIESHENG WU</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled " <u>FILE SERVICE USING A SHARED FILE ACCESS-REST INTERFACE</u> " ("APPLICATION"), which:
will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Shook, Hardy & Bacon L.L.P., 2555 Grand Blvd., Kansas City, Missouri 64108-2613 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on and given Application No by the following Office <u>US - United States Patent and Trademark Office</u> ) this APPLICATION's Application No., filing date, and Office, when known;
was filed on May 11, 2014 and was given Application No 61/991,579 by the following Office "US - United States Patent and Trademark Office";
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"));
ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;  Application No. Filing Date Office

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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"));

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	<u> </u>
Inventor's Signature	Date
JIESHENG WU	<u> </u>
Printed Name in English	Printed Name in Native Language
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original join patent app	it inventor of sul	bject matter ("INV " <u>FILE_SERVICE</u>	iNOR") am the original inv ENTION") disclosed and/or <u>USING A SHARED FILE A</u>	claimed in a
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REPRESENTAT	IOR hereby IVES to insert e for any APPLIC,	authorizes, an the Application t ATION DERIVATIVE	d requests, ASSIGNEE' No., filing date, and Offic S after they are known;	S LEGAL e into the
Application N	Q.	Filing Date	Office	
14/708,286		05/10/2015	United States Patent & Trac	lemark Office

Attorney Docket No.: 341771-US-PSP/MFCP.208085

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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

MATTHEW DOUGLAS HENDEL

Printed Name in English

Date

Printed Name in Native Yanguage

(if other than English)