### 504628818 11/06/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4675536

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
CHIPALO STREET	08/09/2017
ELIO DAMAGGIO	08/23/2017
JUAN PEREZ	10/24/2017
AFFAN DAR	07/28/2017
MICHAEL R. YAGLEY	07/28/2017
CAMERON WILLIAM SKINNER	08/31/2017
SAMUEL JOHN GEORGE	09/21/2017

### **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:	15639419	

### **CORRESPONDENCE DATA**

**Fax Number:** (425)633-2422

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.

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**Email:** docketing@chin-ip.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	402759-US-NP
NAME OF SUBMITTER:	DAVIN CHIN
SIGNATURE:	/Davin Chin/
DATE SIGNED:	11/06/2017

PATENT 28818 REEL: 044041 FRAME: 0194

504628818

# Total Attachments: 14 source=402759-US-NP-Assignments#page1.tif source=402759-US-NP-Assignments#page2.tif source=402759-US-NP-Assignments#page3.tif source=402759-US-NP-Assignments#page4.tif source=402759-US-NP-Assignments#page5.tif source=402759-US-NP-Assignments#page6.tif source=402759-US-NP-Assignments#page7.tif source=402759-US-NP-Assignments#page8.tif source=402759-US-NP-Assignments#page9.tif source=402759-US-NP-Assignments#page10.tif source=402759-US-NP-Assignments#page11.tif source=402759-US-NP-Assignments#page12.tif source=402759-US-NP-Assignments#page13.tif source=402759-US-NP-Assignments#page13.tif source=402759-US-NP-Assignments#page14.tif

PATENT REEL: 044041 FRAME: 0195

	FAICNIA	SSIGNMENT IN	5 Docket No.: <u>402/59-US-NP</u>
inventor of application e	subject matter ('	'INVENTION") disclosed a INT OF MODULAR APPLICA	inventor or an original joint and/or claimed in a patent ATIONS FROM THE CLOUD TO
	ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESENT on the following O APPLICATION's Ap	ASSIGNOR hereby authorepresentative, Microsoft Way, Redmond, Washing ATIVES), to insert here and given Application ffice plication No., filing date, a following Office "U.S. Pater Following Office "U.S. Pater Page 1981 (1982)	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No
Micros behalf of itsel of acquiring,	Office"; oft Technology Lic If and its successor the entire and ex	ensing, LLC, a Washingtor s and assigns ("ASSIGNEE") clusive rights, title and in	n limited liability company, on , is entitled to, and is desirous sterest, including the right of other applications and patents
derived there United States	from, such as conf , its territories, and	tinuing applications, in what is all foreign countries ("AP	nole or in part, in and for the PLICATION DERIVATIVES"));
to insert the		iling date, and Office into	the following table for any
Application !	•	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"));

Chipalo St	8/9/17
Inventor's Signature	Date
Chipalo STREET	
Printed Name in English	Printed Name in Native Language
	(if other than English)

	PATENT AS	SSIGNMENT MS	S Docket No.: <u>402759-US-NP</u>
inventor of application e	subject matter ("I	NVENTION") disclosed a NT OF MODULAR APPLICA	inventor or an original joint ind/or claimed in a patent ITIONS FROM THE CLOUD TO
	ASSIGNEE'S legal r LLC, One Microsoft LEGAL REPRESENT on the following Of	ASSIGNOR hereby authorepresentative, Microsoft Way, Redmond, Washing ATIVES), to insert here and given Application ffice	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed Noby) this
		<u>0, 2017</u> and was given Ap following Office " <u>U.S. Pat</u>	
behalf of itse of acquiring, priority, in the derived there	If and its successors the entire and exc ne INVENTION and the efrom, such as cont	s and assigns ("ASSIGNEE") clusive rights, title and in he APPLICATION (and all c cinuing applications, in wi	I limited liability company, on , is entitled to, and is desirous iterest, including the right of other applications and patents nole or in part, in and for the PLICATION DERIVATIVES"));
to insert the	•	iling date, and Office into	IEE'S LEGAL REPRESENTATIVES the following table for any
Application		Filing Date	Office

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"));

S/ A	2/32/3-13
Inventor's Signature	Date
Elio DAMAGGIO	
Printed Name in English	Printed Name in Native Language (if other than English)

I <u>Juan PEREZ</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>DEPLOYMENT OF MODULAR APPLICATIONS FROM THE CLOUD TO LOCAL DEVICES</u>" ("APPLICATION"), which:

MS Docket No.: 402759-US-NP

will	be	filed.	ASSIGNOR	hereby	author	izes,	and re	quest	ts,
ASSI	GNE	E'S lega	l representa	tive, Mici	rosoft T	echno	ology Lie	ensin	g,
LLC,	One	Micros	oft Way, Red	mond, Wa	ashingto	on 980	)52 (ASS	IGNEE	E'S
LEGA	AL R	EPRESE	NTATIVES), 1	o insert	here i	n pai	renthese	s (file	ed
on_		······································	and gi	ven Appli	ication N	۷o			by
the	follo	owing	Office					_) th	1is
APPL	ICAT	TION's A	pplication N	o., filing o	late, and	d Offic	e, when	know	'n;

was filed on <u>June 30, 2017</u> and was given Application No <u>15/639,419</u> by the following Office "<u>U.S. Patent and Trademark Office</u>";

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

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).

Inventor's Signature

Nate

Juan PEREZ

Printed Name in English

Printed Name in Native Language

(if other than English)

I <u>Affan DAR</u> ("ASSIGNOR") subject matter ("INVENTION") di " <u>DEPLOYMENT OF MODULAR A</u>	isclosed and/or claimed ir	
("APPLICATION"), which:	MTEICHTIONS TISS	<u> </u>
ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESENT on the following O	ASSIGNOR hereby authorepresentative, Microsoft Way, Redmond, Washing TATIVES), to insert here and given Application office plication No., filing date, and	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No by) this
	30, 2017 and was given Ap e following Office " <u>U.S. Pat</u>	
behalf of itself and its successors of acquiring, the entire and exprisority, in the INVENTION and to derived therefrom, such as contumited States, its territories, and	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all otinuing applications, in which all foreign countries ("API	iterest, including the right of other applications and patents nole or in part, in and for the
to insert the Application No., fi	iling date, and Office into	
Application No.	Filing Date	Office
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MS Docket No.: <u>402759-US-NP</u>

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Inventor's Signature

Date

Affan DAR

Printed Name in English

Printed Name in Native Language

(if other than English)

### PATENT ASSIGNMENT MS Docket No.: 402759-US-NP

t LITITAL A	OCCUMENTAL MAIN	3 DOURCE IVO., 402/37-03-141
I <u>Michael R. YAGLEY</u> ("AS inventor of subject matter (" application entitled " <u>DEPLOYME LOCAL DEVICES</u> " ("APPLICATION	INVENTION") disclosed a	•
ASSIGNEE'S legal in LLC, One Microsof LEGAL REPRESENT on the following O	ASSIGNOR hereby authorepresentative, Microsoft t Way, Redmond, Washing ATIVES), to insert here and given Application ffice	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No
	0, 2017 and was given Aperonal following Office "U.S. Pate	
behalf of itself and its successor of acquiring, the entire and expriority, in the INVENTION and to derived therefrom, such as contunited States, its territories, and ASSIGNOR hereby authorito insert the Application No., f APPLICATION DERIVATIVES after	s and assigns ("ASSIGNEE") clusive rights, title and in the APPLICATION (and all obtinuing applications, in what all foreign countries ("APT izes, and requests, ASSIGN iling date, and Office into they are known;	iterest, including the right of other applications and patents nole or in part, in and for the PLICATION DERIVATIVES"));
Application No.	Filing Date	Office
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MS Docket No.: 402759-US-NP

Mul K gry	7/28/2017
Inventor's Signature	Date
Michael R. YAGLEY	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Doc	ket No.:	40275	9-US-NP

I <u>Cam</u>	eron William SKINN	<u>IER</u> ("ASSIGNOR") am the o	original inventor or an original
joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent			
application entitled "DEPLOYMENT OF MODULAR APPLICATIONS FROM THE CLOUD TO			
LOCAL DEVICE	CES" ("APPLICATION	"), which:	
	will be filed.	ASSIGNOR hereby authors	orizes, and requests,
and the second	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	and given Application	ı No by
	the following C	office	) this
	APPLICATION's Ap	plication No., filing date, a	nd Office, when known;
$\chi_{\mu} = \sum_{i} \chi_{\mu}$	was filed on <u>June</u> :	<u>30, 2017</u> and was given Ap	oplication No
	15/639,419 by the	e following Office " <u>U.S. Pat</u>	ent and Trademark
	Office";		•
Micros	oft Technology Lic	ensing, LLC, a Washingtor	limited liability company, on
behalf of itse	lf and its successor	s and assigns ("ASSIGNEE")	, is entitled to, and is desirous
of acquiring,	the entire and ex	clusive rights, title and ir	terest, including the right of
priority, in th	e INVENTION and t	he APPLICATION (and all o	other applications and patents
derived there	from, such as con	tinuing applications, in wl	nole or in part, in and for the
<b>United States</b>	, its territories, and	l all foreign countries ("AP	PLICATION DERIVATIVES"));
ASSIGN	NOR hereby authori	zes, and requests, ASSIGN	IEE'S LEGAL REPRESENTATIVES
to insert the	Application No., f	iling date, and Office into	o the following table for any
APPLICATION	DERIVATIVES after	they are known;	
Application	No.	Filing Date	Office
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MS Docket No.: <u>402759-US-NP</u>

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an	8/31/17
Inventor's Signature	Date
Cameron William SKINNER	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 402759-US-NP I Samuel John GEORGE ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DEPLOYMENT OF MODULAR APPLICATIONS FROM THE CLOUD TO LOCAL DEVICES" ("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 and given Application No. \_\_\_\_\_ the following Office ) this APPLICATION's Application No., filing date, and Office, when known; was filed on June 30, 2017 and was given Application No 15/639,419 by the following Office "U.S. 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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Inventor's Signature	9/21/2017 Date
Samuel John GEORGE	
Printed Name in English	Printed Name in Native Language
	(if other than English)