504644154 11/15/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4690874

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SAMUEL JOHN GEORGE	10/13/2017
CAMERON WILLIAM SKINNER	10/16/2017
ELIO DAMAGGIO	10/19/2017
AFFAN DAR	10/16/2017
AJITH KUMAR GANDE	10/13/2017
SUDEEP SATISH PRADHAN	10/25/2017
VARUN PURANIK	10/26/2017

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:	15784045

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:	402761-US-NP
NAME OF SUBMITTER:	DAVIN CHIN
SIGNATURE:	/Davin Chin/
DATE SIGNED:	11/15/2017

PATENT 504644154 REEL: 044137 FRAME: 0141

Total Attachments: 14 source=402761-US-NP-Assignments#page1.tif source=402761-US-NP-Assignments#page2.tif source=402761-US-NP-Assignments#page3.tif source=402761-US-NP-Assignments#page4.tif source=402761-US-NP-Assignments#page5.tif source=402761-US-NP-Assignments#page6.tif source=402761-US-NP-Assignments#page7.tif source=402761-US-NP-Assignments#page8.tif source=402761-US-NP-Assignments#page9.tif source=402761-US-NP-Assignments#page10.tif source=402761-US-NP-Assignments#page11.tif source=402761-US-NP-Assignments#page12.tif source=402761-US-NP-Assignments#page13.tif source=402761-US-NP-Assignments#page13.tif source=402761-US-NP-Assignments#page14.tif

PATENT REEL: 044137 FRAME: 0142

PAIENI F	ASSIGNMENT M	5 Docket No.: 402/01-05-N1
I <u>Samuel John GEORGE</u> ('inventor of subject matter (application entitled " <u>CLOUD Mo</u> <u>LOCAL DEVICES</u> " ("APPLICATION	"INVENTION") disclosed a DDIFICATION OF MODULA	
ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESENT on the following C APPLICATION's Ap was filed on Octob	ASSIGNOR hereby authorepresentative, Microsoft ft Way, Redmond, Washing TATIVES), to insert here and given Application office plication No., filing date, a per 13, 2017 and was given following Office "U.S. Paternal Page 13, Page 13, Page 13, Page 13, Page 13, Page 14, Page 15, Page 16, Page 17, Page 17, Page 16, Page 17, Page	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No by) this nd Office, when known;
behalf of itself and its successor of acquiring, the entire and ex priority, in the INVENTION and t derived therefrom, such as com- United States, its territories, and	s and assigns ("ASSIGNEE") clusive rights, title and in he APPLICATION (and all otinuing applications, in what all foreign countries ("APIzes, and requests, ASSIGN iling date, and Office into	terest, including the right on ther applications and patents note or in part, in and for the PLICATION DERIVATIVES")); EE'S LEGAL REPRESENTATIVES
Application No.	Filing Date	Office
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Page 1 of 2

PATENT REEL: 044137 FRAME: 0143

MS Docket No.: 402761-US-NP

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

Date

Samuel John GEORGE

Printed Name in English

Printed Name in Native Language
(if other than English)

MS	Docket	No.:	402761	-US-NP

I <u>Cam</u>	ieron William SKINN	<u>IER</u> ("ASSIGNOR") am the o	riginal inventor or an original
joint invento	or of subject matte	er ("INVENTION") disclosed	l and/or claimed in a patent
application 6	entitled " <u>CLOUD MC</u>	DIFICATION OF MODULAR	R APPLICATIONS RUNNING ON
	CES" ("APPLICATION		
	-		
	will be filed.	ASSIGNOR hereby author	orizes, and requests,
	ASSIGNEE'S legal	representative, Microsoft	Technology Licensing,
	LLC, One Microsof	t Way, Redmond, Washing	ton 98052 (ASSIGNEE'S
	LEGAL REPRESENT	ATIVES), to insert here	in parentheses (filed
	on	and given Application	No by
	the following O	ffice) this
	APPLICATION's Ap	plication No., filing date, a	nd Office, when known;
		, , , , , , , , , , , , , , , , , , , ,	
	was filed on <u>Octob</u>	<u>er 13, 2017</u> and was giver	n Application No
	15/784,045 by the	e following Office " <u>U.S. Pat</u>	ent and Trademark
	Office";	<u> </u>	
			•
	· .		limited liability company, on
behalf of itse	If and its successor	s and assigns ("ASSIGNEE")	, is entitled to, and is desirous
of acquiring,	, the entire and ex	clusive rights, title and in	terest, including the right of
priority, in th	ne INVENTION and t	he APPLICATION (and all c	ther applications and patents
derived there	efrom, such as con	tinuing applications, in wh	nole or in part, in and for the
United States	, its territories, and	l all foreign countries ("AP	PLICATION DERIVATIVES"));
	·		
ASSIGI	NOR hereby authori	zes, and requests, ASSIGN	EE'S LEGAL REPRESENTATIVES
			o the following table for any
	I DERIVATIVES after		
Application		Filing Date	Office
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MS Docket No.: <u>402761-US-NP</u>

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

Cameron William SKINNER

Printed Name in English

Printed Name in Native Language
(if other than English)

	PATENT A	SSIGNMENT	MS Docket No.: <u>402761-US-NP</u>
inventor of application e	subject matter ("	INVENTION") disclosed DIFICATION OF MODU	nal inventor or an original joint d and/or claimed in a patent ILAR APPLICATIONS RUNNING ON
	ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESENT on the following O	representative, Microset Way, Redmond, Wash ATIVES), to insert he and given Applicat	
		er 13, 2017 and was g following Office " <u>U.S.</u>	iven Application No Patent and Trademark
behalf of itselof acquiring, priority, in the derived therefunited States, ASSIGN to insert the	f and its successors the entire and exce INVENTION and the from, such as cont its territories, and OR hereby authoric	s and assigns ("ASSIGNI clusive rights, title and the APPLICATION (and a finuing applications, in all foreign countries (zes, and requests, ASS lling date, and Office	gton limited liability company, on EE"), is entitled to, and is desirous dinterest, including the right of all other applications and patents whole or in part, in and for the "APPLICATION DERIVATIVES")); IGNEE'S LEGAL REPRESENTATIVES into the following table for any
Application N		Filing Date	Office
7 (ppircucion)		Timing Ducc	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"));

EL V	10/19/2017
Inventor's Signature	Date
Elio DAMAGGIO	
Printed Name in English	Printed Name in Native Language (if other than English)

MS	Docke	et No.:	402761	-US-NP

subject matt	er ("INVENTION") di DIFICATION OF MO	sclosed and/or claimed in	or an original joint inventor of n a patent application entitled UNNING ON LOCAL DEVICES'
	will be filed.	ASSICNOR horoby auth	orizes and requests
	ASSIGNEE'S legal 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 blication No., filing date, a	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed Noby
\boxtimes	was filed on Octob	<u>er 13, 2017</u> and was give	n Application No
		following Office " <u>U.S. Pat</u>	
behalf of itse of acquiring, priority, in th derived there	If and its successors the entire and exceeded the INVENTION and the street in the second	s and assigns ("ASSIGNEE") clusive rights, title and ir he APPLICATION (and all c cinuing applications, in wl	n limited liability company, on , is entitled to, and is desirous nterest, including the right of other applications and patents nole or in part, in and for the PLICATION DERIVATIVES"));
ASSIGN	NOR hereby authori	zes, and requests, ASSIGN	iee's legal representatives
to insert the		iling date, and Office into	o 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"));

as	10/14/2017
Inventor's Signature	Date
Affan DAR	V3 060
Printed Name in English	Printed Name in Native Language

MS Docket No.: <u>402761-US-NP</u>

I <u>Ajith Kumar GANDE</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>CLOUD MODIFICATION OF MODULAR APPLICATIONS RUNNING ON LOCAL DEVICES</u>" ("APPLICATION"), which:

will	be	filed.	ASSIGNOR	hereby	authoriz	es, and	requ	iests,
ASSI	GNE	E'S lega	al representa	tive, Mici	rosoft Ted	chnology	Licen	sing,
LLC,	One	Micros	oft Way, Red	mond, Wa	ashington	98052 (ASSIGI	NEE'S
LEG/	AL R	EPRESE	NTATIVES),	to insert	here in	parenth	eses	(filed
on_			and g	iven Appli	ication No	•		by
the	foll	owing	Office					this
APPL	ICA7	TION's	Application N	o., filing o	date, and (Office, wh	ien kr	iown;

was filed on October 13, 2017 and was given Application No 15/784,045 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	
			00000000000000000000000000000000000000

PATENT ASSIGNMENT MS Docket No.: 402761-US-NP

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"));

P.Aji. M. Cumay Inventor's Signature	10/13/2017	
Inventor's Signature	Date	
Ajith Kumar GANDE		
Printed Name in English	Printed Name in Nativ	ve Language
	(if other than English)

I <u>Sudeep Satish PRADHAN</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>CLOUD MODIFICATION OF MODULAR APPLICATIONS RUNNING ON LOCAL DEVICES</u>" ("APPLICATION"), which:

MS Docket No.: 402761-US-NP

	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
	on and given Application No by
	the following Office
	APPLICATION's Application No., filing date, and Office, when known;
X	was filed on October 13, 2017 and was given Application No
	The same same as an allow to the contract of t

was filed on October 13, 2017 and was given Application No 15/784,045 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
- 10-10-10-10-10-10-10-10-10-10-10-10-10-1		

MS Docket No.: <u>402761-US-NP</u>

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18/12	10/25/2017
Inventor's Signature	Date
Sudeep Satish PRADHAN	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Ž.	PATENT	ASSIGNMENT	MS Docket No.: 402761-US	<u>3-NP</u>
inventor of application	subject matter	("INVENTION") disclo	ginal inventor or an original sed and/or claimed in a pa	atent
	ASSIGNEE'S legal LLC, One Micros LEGAL REPRESEI on the following	I representative, Micro oft Way, Redmond, Wa NTATIVES), to insertand given Applic Office	authorizes, and requests, osoft Technology Licensing, shington 98052 (ASSIGNEE'S here in parentheses (filed cation No	
			given Application No S. Patent and Trademark	

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"));

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Application No.	Filing Date	Office
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MS Docket No.: <u>402761-US-NP</u>

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Juan .	10/26/2017	
Inventor's Signature	Date	
Varun PURANIK		
Printed Name in English	Printed Name in Native Language (if other than English)	