504667469 12/01/2017

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4714191

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
PARVEZ ANANDAM	06/15/2017
RAMNATH PRASAD	06/21/2017
PRADEEP AYYAPPAN NAIR	06/15/2017
LIHUA YUAN	07/21/2017
SANDEEP KOUSHIK SHESHADRI	11/15/2017
SHIKHAR SURI	08/22/2017
SHARDA MURTHI	07/19/2017
DAVID MALTZ	06/14/2017
ALBERT GREENBERG	11/07/2017
THOMAS KEANE	06/16/2017

#### **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:	15628350

### CORRESPONDENCE DATA

**Fax Number:** (816)421-5547

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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**ATTORNEY DOCKET NUMBER:** 402090-US-NP/MFCP.274090

504667469 REEL: 044276 FRAME: 0039

PATENT

NAME OF SUBMITTER:	JOHN S. GOLIAN
SIGNATURE:	/JOHN S. GOLIAN/
DATE SIGNED:	12/01/2017
Total Attachments: 20	
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PATENT REEL: 044276 FRAME: 0040

1 <u>Parv</u>	<u>ez Anan</u>	<u>dam</u> ("AS	SIGNOR")	am the	original	l invento	or or an	origina	al joint
inventor of	subject	matter	("INVENTI	ON") dis	closed	and/or	claimed	in a	patent
application	entitled	NETWOR	K BUILDO	UT FOR	CLOUD	COMPL	ITING E	NVIRON	MENTS
WITH DATA	CONTRO	L POLICIE	S ("APPLIC	ATION"),	which:				

$\boxtimes$	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 onJune 20, 2017 and given Application
	No. <u>15/628,350</u> by the following Office <u>United States Patent</u>
	and Trademark Office) this APPLICATION's Application No., filing
	date, and Office, when known;
	was filed on and was given Application
	No by the following 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	

Barretz	6/15/2017
Inventor's Signature	Date
Parvez Anandam	
Printed Name in English	Printed Name in Native Language
	(if other than English)

1	Ram	nnath Pr	<u>asad</u> ("AS	SSIGNOR	l") am	the	original	invento	or or a	an orig	gina	l joint
inventor	of	subject	matter	("INVEN	ITION"	) dis	sclosed	and/or	claim	ed in	a	patent
applicati	on	entitled	NETWOR	K BUILI	TUOC	FOR	CLOUD	COMPL	JTING	ENVIR	ON	MENTS
WITH DA	ATA	CONTRO	L POLICII	es ("Appi	LICATI	ON"),	which:					

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Application No.	Filing Date	Office

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famour!	6/21/2017
Inventor's Signature	Date
Ramnath Prasad	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Pradeep Ayyappan Nair</u> ("ASSIGNOR") am the original inventor or an original
joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent
application entitled NETWORK BUILDOUT FOR CLOUD COMPUTING ENVIRONMENTS
WITH DATA CONTROL POLICIES ("APPLICATION"), which:

$\boxtimes$	oxtimes will be filed. ASSIGNOR hereby authorizes, and	requests,
	ASSIGNEE'S legal representative, Microsoft Technology	Licensing,
	LLC., One Microsoft Way, Redmond, Washingto	on 98052
	(ASSIGNEE'S LEGAL REPRESENTATIVES), to insert	here in
	parentheses (filed onJune 20, 2017 and given	Application
	No. <u>15/628,350</u> by the following Office <u>United Sta</u>	ates Patent
	and Trademark Office) this APPLICATION's Application	No., filing
	date, and Office, when known;	
	was filed on and was given Application	
	No by the following 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

Product.	06-15-2017
Inventor's Signature	Date
Pradeep Ayyappan Nair	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Lihua Yuan</u> ("ASSIGNOF of subject matter ("INVENTION entitled NETWORK BUILDOUT CONTROL POLICIES ("APPLICATION	N") disclosed and/or clai FOR CLOUD COMPUTING	, , ,
ASSIGNEE'S legal LLC., One Mic (ASSIGNEE'S LEC parentheses (filed No.	ASSIGNOR hereby auth representative, Microsoft rosoft Way, Redmond, GAL REPRESENTATIVES), don by the following Office this APPLICATION's when known;	Technology Licensing, Washington 98052 to insert here in and given Application te <u>United States Patent</u>
	20, 2017 and was given A e following Office " <u>United</u>	
Microsoft Technology Lie behalf of itself and its succe desirous of acquiring, the enti- right of priority, in the INVENTI patents derived therefrom, suc- for the United States, its to DERIVATIVES"));	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio	tle and interest, including the (and all other applications and ns, in whole or in part, in and
ASSIGNOR hereby REPRESENTATIVES to insert to following table for any APPLICA	he Application No., filin	
Application No.	Filing Date	Office

Lihua Guan	07/21/2017
Inventor's Signature	Date
Lihua Yuan	袁利华
Printed Name in English	Printed Name in Native Language
	(if other than English)

		***************************************	
original join patent app	t inventor of subj dication entitled	ect matter ("INVENTION")	the original inventor or an disclosed and/or claimed in a FOR CLOUD COMPUTING ATION"), which:
	ASSIGNEE'S legal LLC., One Mic (ASSIGNEE'S LE) parentheses (file No.	ASSIGNOR hereby authorepresentative, Microsoft Crosoft Way, Redmond GAL REPRESENTATIVES), don by the following Office) this APPLICATION's when known;	t Technology Licensing, , Washington 98052 to insert here in and given Application ce <u>United States Patent</u>
×		20, 2017 and was given A ne following Office " <u>United</u> ":	
behalf of its desirous of a right of prior patents deriv	ielf and its succe acquiring, the enti ity, in the INVENT red therefrom, suc ited States, its	ssors and assigns ("ASSI re and exclusive rights, ti ON and the APPLICATION h as continuing application	in limited liability company, on GNEE"), is entitled to, and is itle and interest, including the (and all other applications and ins, in whole or in part, in and ign countries ("APPLICATION")
REPRESENTA	TIVES to insert t	authorizes, and required authorizes, and required he Application No., filing TION DERIVATIVES after the second control of the second	g date, and Office into the
Application N		Filing Date	Office
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Say Leep 19	11 [15]	2017/Nov-	
Inventor's Signature	Date '		
Sandeep Koushik Sheshadri			
Printed Name in English	Printed Name	in Native Language	
	(if other than	English)	

I <u>Shikhar Suri</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled NETWORK BUILDOUT FOR CLOUD COMPUTING ENVIRONMENTS WITH DATA CONTROL POLICIES ("APPLICATION"), which:

$\boxtimes$	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 June 20, 2017 and given Application
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	and Trademark Office) this APPLICATION's Application No., filing
	date, and Office, when known;
	was filed on and was given Application
	No by the following 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

<b>***********</b>	

Pan	
01224	08/22/2017
Inventor's Signature	Date
Shikhar Suri	
Printed Name in English	Printed Name in Native Language
	Of other than English)

I <u>Sharda Murthi</u> ("ASSIC inventor of subject matter ( application entitled NETWORK WITH DATA CONTROL POLICIES	"INVENTION") disclosed BUILDOUT FOR CLOUD	·
ASSIGNEE'S legal LLC., One Mic (ASSIGNEE'S LEC parentheses (filed No. <u>15/628,350</u>	ASSIGNOR hereby auth representative, Microsoft rosoft Way, Redmond, GAL REPRESENTATIVES), June 20, 2017 by the following Office this APPLICATION's when known;	Technology Licensing, Washington 98052 to insert here in and given Application te <u>United States Patent</u>
	and was given by the following Office ";	
Microsoft Technology Lice behalf of itself and its success desirous of acquiring, the entire right of priority, in the INVENTIGATION patents derived therefrom, successfor the United States, its to DERIVATIVES"));	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION of the as continuing application	tle and interest, including the (and all other applications and ns, in whole or in part, in and
ASSIGNOR hereby REPRESENTATIVES to insert the following table for any APPLICA	ne Application No., filin	
Application No.	Filing Date	Office

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ALL	07-19-2017
Inventor's Signature	Date
Sharda Murthi	
Printed Name in English	Printed Name in Native Language
	(if other than English)

	1	<u>Dav</u>	<u>vid Malt</u>	<u>z</u> ("ASSIC	SNOR")	am the o	riginal inv	entor or	an or	iginal j	oint in	ventor
of	subj	ect	matter	("INVEN	TION")	disclosed	d and/or	claimed	in a	patent	appli	cation
en	titled	NE	TWORK	BUILDO	UT FO	R CLOUD	COMPUT	TING EN	/IRON	MENTS	WITH	DATA
CC	NTRO	DL F	POLICIES	("APPLIC	CATION	l"), 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
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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	

DUAMO	
	6/14/2017
Inventor's Signature	Date
David Maltz	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Albert Greenberg ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled NETWORK BUILDOUT FOR CLOUD COMPUTING ENVIRONMENTS WITH DATA CONTROL POLICIES ("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 on and given Application No by the following Office United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known;    was filed on <u>lune 20, 2017</u> and was given Application No.	
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 <u>United States Patent and Trademark Office</u> ) this APPLICATION's Application No., filing date, and Office, when known;  was filed on <u>lune 20, 2017</u> and was given Application No. 15/628,350 by the following Office " <u>United States Patent and Trademark Office</u> ";	inventor of subject matter ("INVENTION") disclosed and/or claimed in a pater application entitled NETWORK BUILDOUT FOR CLOUD COMPUTING ENVIRONMENT
15/628,350 by the following Office "United States Patent and Trademark Office";	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 United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known;
	15/628,350 by the following Office "United States Patent and
a series and a series	Trademark Office";
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"));	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 art for the United States, its territories, and all foreign countries ("APPLICATION")
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;	REPRESENTATIVES to insert the Application No., filing date, and Office into the
Application No. Filing Date Office	

y	

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

Albert Greenberg
Printed Name in English

Printed Name in Native Language
(if other than English)

inventor of subject matter	("INVENTION") disclosed K BUILDOUT FOR CLOUE	inventor or an original joint and/or claimed in a patent COMPUTING ENVIRONMENTS
ASSIGNEE'S legal LLC., One Mi- (ASSIGNEE'S LE parentheses (file No. <u>15/628,350</u>	ASSIGNOR hereby aution of the control of the contro	t Technology Licensing, l, Washington 98052 to insert here in and given Application ce <u>United States Patent</u>
	and was given by the following Offic ";	
behalf of itself and its succe desirous of acquiring, the enti right of priority, in the INVENT	ssors and assigns ("ASSI ire and exclusive rights, to ION and the APPLICATION th as continuing application	on limited liability company, on GNEE"), is entitled to, and is itle and interest, including the (and all other applications and ons, in whole or in part, in and ign countries ("APPLICATION
ASSIGNOR hereby REPRESENTATIVES to insert t following table for any APPLICA	he Application No., filin	
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	Inventor's Signature	Date
,	Thomas Keane	
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