PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3919686

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARCUS FONTOURA	06/06/2016
MARK RUSSINOVICH	06/06/2016
YUNUS MOHAMMED	06/10/2016
PRITESH PATWA	06/15/2016
AVNISH KUMAR CHHABRA	06/14/2016
ZIV RAFALOVICH	06/07/2016

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:	15183257	

CORRESPONDENCE DATA

Fax Number:

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: 425-707-9382

Email: stevensp@microsoft.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

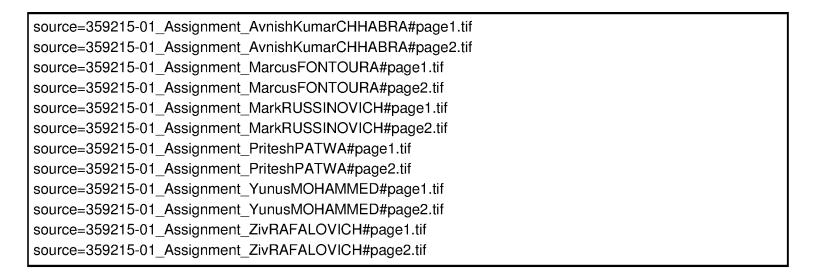
Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	359215.01
NAME OF SUBMITTER:	JOHN OGILVIE
SIGNATURE:	/John Ogilvie/
DATE SIGNED:	06/15/2016

Total Attachments: 12

PATENT REEL: 038921 FRAME: 0488

503873036



PATENT REEL: 038921 FRAME: 0489

MS Docket No.: 359215.01

I Avnish Kumar CHHABRA ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "UPDATE COORDINATION IN A MULTI-TENANT CLOUD COMPUTING ENVIRONMENT" ("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 and given Application						
	No by the following 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	
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MS Docket No.: 359215.01

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).

Ami	6/14/2016
Inventor's Signature	Date
Avnish Kumar CHHABRA	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Marcus FONTOURA ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "UPDATE COORDINATION IN A MULTI-TENANT CLOUD COMPUTING ENVIRONMENT" ("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 bv the following No.) this APPLICATION's Office 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")): LEGAL ASSIGNOR hereby authorizes. and requests. ASSIGNEE'S 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

Page 1 of 2

MS Docket No.: 359215.01

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STANGE.	G-6-3016
Inventoř's Signature	Date
Marcus FONTOURA	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Mark RUSSINOVICH ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "UPDATE COORDINATION IN A MULTI-TENANT CLOUD COMPUTING ENVIRONMENT" ("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) 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

Page 1 of 2

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7///	O-Q-10
Inventor's Signature	Date
Mark RUSSINOVICH	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 359215.01

application e	Σ	COORDINATION IN A	closed and/or claimed i A MULTI-TENANT CLOUD	
	ASSIGNEE'S lega LLC., One Mi (ASSIGNEE'S LE parentheses (file No.	representative, M crosoft Way, Re GAL REPRESENTA d on	y authorizes, and requicrosoft Technology Licer dmond, Washington 9 TIVES), to insert here and given Application by the following (a., filling date, and Office,	nsing, 18052 e in tation Office
	was filed on		given Application No	
behalf of its desirous of right of prior patents deriv	elf and its succ acquiring, the ent ity, in the INVENT /ed therefrom, su ited States, its	essors and assigns ire and exclusive r TON and the APPLIC ch as continuing ap	shington limited liability of ("ASSIGNEE"), is entitled ights, title and interest, in ATION (and all other applications, in whole or in all foreign countries ("A	I to, and is ncluding the ications and part, in and
REPRESENTA	TIVES to insert	the Application No	requests, ASSIGNES o., filing date, and Offi after they are known;	
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Page 1 of 2

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Inventor's Signature

Date

Pritesh PATWA

Printed Name in English

Printed Name in Native Language

MS Docket No.: 359215.01

(if other than English)

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LLC.,	:E'S legal representative One Microsoft Way, EE'S LEGAL REPRESEN	Redmond, Washing	ton 98052
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by the f	ollowing Office "";		
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REPRESENTATIVES to	nereby authorizes, insert the Application	No., filing date, a	nd Office into the
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Application No.	Filing Date	Office	
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Page 1 of 2

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WY	6/10/2016
Inventor's Signature	Date
Yunus MOHAMMED	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Ziv RAFALOVICH ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "UPDATE COORDINATION IN A MULTI-TENANT CLOUD COMPUTING ENVIRONMENT" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Microsoft Technology Licensing, LLC., One Microsoft Way, Redmond, Washington (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on ______ and given Application No. by the following 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

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Inventor's Signature

Date

Ziv RAFALOVICH

Printed Name in English

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