504141466 12/12/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4181311

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BURRA GOPAL	08/29/2013
YURIY LABUNETS	08/29/2013
AMY SIMPSON	08/29/2013
JAMES RUPKE	08/29/2013
KAI ZHU	08/29/2013
ROBERTO TABOADA	08/29/2013
SHAYAN KAYHANIAN	08/29/2013

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15332426

CORRESPONDENCE DATA

Fax Number: (360)693-5574

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: 4257079382

Email: usdocket@microsoft.com

Correspondent Name: MICROSOFT TECHNOLOGY LICENSING, LLC

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	339751-US-CNT
NAME OF SUBMITTER:	GRACIELA G. COWGER
SIGNATURE:	/Graciela G. Cowger/
DATE SIGNED:	12/12/2016

PATENT REEL: 040716 FRAME: 0001

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Total Attachments: 14

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I Burra Gopal ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter

("INVENTION") disclosed and/or claimed in a patent application entitled "Generating an Idempotent

MS Docket No.: 339751.01

Workflow" ("APPLICATION"), which: Wwill be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, 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 Corporation, a Washington Corporation, 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 in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, 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 in the INVENTION and the APPLICATION (and 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).

Marie Contraction of the Contrac	8/29/2013
Inventor's Signature	Date
Burra Gopal	
Printed Name in English	Printed Name in Native Lan guage
	(if other than English)

PATENT REEL: 040716 FRAME: 0004

MS Docket No.: <u>339751.01</u>

MS Docket No.: <u>339751.01</u>

I <u>Yuriy Labunets</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>Generating an Idempotent Workflow</u>" ("APPLICATION"), which:

₩III be filed. ASSIGNOI	R hereby authorizes, and reques	sts,	
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	ion, One Microsoft Way, Re	·	
			
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therefrom, such as continuing applic	cations, in and for the United	States, its territories, and all foreign	
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ASSIGNOR hereby	authorizes, and req	uests, ASSIGNEE'S LEGAL	
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Application No.	Filing Date	Office	

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Inventor's Signature

Printed Name in English

Aug. 29, 2013

Date

Printed Name in Native Lan guage (if other than English)

PATENT REEL: 040716 FRAME: 0006

MS Docket No.: <u>339751.01</u>

I Amy Simpson ("ASSIGNOR") am the original inventor or an original joint inventor of subject

MS Docket No.: <u>339751.01</u>

matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Generating an Idempotent Workflow" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, 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 Corporation, a Washington Corporation, 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 in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, 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

MS Docket No.: <u>339751.01</u>

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	8/29/2013
Inventor's Signature	Date
Amy Simpson	
Printed Name in English	Printed Name in Native Lan guage
	(if other than English)

MS Docket No.: 339751.01

I James Rupke ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Generating an Idempotent Workflow" ("APPLICATION"), which: Wwill be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, 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; Liwas filed on _____ and was given Application No _____ by the following Office Microsoft Corporation, a Washington Corporation, 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 in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, 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

MS Docket No.: <u>339751.01</u>

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Julia	8/29/2013
Inventor's Signature	Date
James Rupke	
Printed Name in English	Printed Name in Native Lan guage
	(if other than English)

MS Docket No.: 339751.01

I <u>Kai Zhu</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>Generating an Idempotent Workflow</u>" ("APPLICATION"), which:

⊠will be filed. ASSIGNOP	t hereby authorizes, ar	d requests,		
ASSIGNEE'S legal rep	presentatives, of the L	w and Corporate	Affairs Departmer	ıt,
Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on				
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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 in the INVENTION and the APPLICATION (and 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).

Rose	8/29/2012
Inventor's Signature	Date
<u>Kai Zhu</u>	
Printed Name in English	Printed Name in Native Lan guage (if other than English)

PATENT REEL: 040716 FRAME: 0012

MS Docket No.: 339751.01

I Roberto Taboada ("ASSIGNOR") am the original inventor or an original joint inventor of subject

MS Docket No.: 339751.01

matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Generating an Idempotent Workflow" ("APPLICATION"), which: Wwill be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, 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 Corporation, a Washington Corporation, 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 in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, 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

MS Docket No.: 339751.01

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Inventor's Signature	8/29/2013 Date
Roberto Taboada	
Printed Name in English	Printed Name in Native Lan guage (if other than English)

MS Docket No.: <u>339751.01</u>

I <u>Shayan Kayhanian</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>Generating an Idempotent Workflow</u>" ("APPLICATION"), which:

⊠will be filed. ASSIGNOF	Rhereby authorizes, and reque	sts,	
ASSIGNEE'S legal rep	oresentatives, of the Law and (	Corporate Affairs Department,	
Microsoft Corporat	ion, One Microsoft Way, R	edmond, Washington 98052	
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MS Docket No.: <u>339751.01</u>

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Inventor's Signature	Date
Shayan Kayhanian	
Printed Name in English	Printed Name in Native Lan guage
	(if other than English)

PATENT REEL: 040716 FRAME: 0016

**RECORDED: 12/12/2016**