#### 504647276 11/17/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

EPAS ID: PAT4693997 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
OMAR ROGELIO ALONSO	11/13/2017
VASILEIOS KANDYLAS	11/13/2017
RUKMINI IYER	11/16/2017

### **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:	15815726

### CORRESPONDENCE DATA

Fax Number: (425)936-7329

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: USDocket@microsoft.com CHRISTOPHER OCHS **Correspondent Name:** Address Line 1: ONE MICROSOFT WAY

Address Line 2: PATENT GROUP DOCKETING DEPT Address Line 4: **REDMOND, WASHINGTON 98052** 

ATTORNEY DOCKET NUMBER:	403228-US-NP
NAME OF SUBMITTER:	DAVID HUNTLEY
SIGNATURE:	/ David Huntley 40309 /
DATE SIGNED:	11/17/2017

#### **Total Attachments: 6**

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**PATENT** REEL: 044157 FRAME: 0614 504647276

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> PATENT REEL: 044157 FRAME: 0615

	l <u>Omar Rogelio ALONSO</u>	("ASSIGNOR") am the origin	nal inventor or an original joint
inve	entor of subject matter	("INVENTION") disclosed	and/or claimed in a patent
app	lication entitled " <u>Resou</u>	rce-Efficient Generation	of a Knowledge Graph"
	will be filed.	ASSIGNOR hereby auth	orizes, and requests,
		representative, Microsoft	
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Uni	ted States, its territories, ai	nd all foreign countries ("A	PPLICATION DERIVATIVES"));
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		*	NEE'S LEGAL REPRESENTATIVES
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A	plication No.	Filing Date	Office
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	8. The A. As A. C. Share		
Accessors.			

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

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).

States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

	(3-NOV-2017-	
Inventor's Signature	Date	
Omar Rogelio ALONSO		
Printed Name in English	Printed Name in Native Language	:
ACCUMENTAL DESCRIPTION OF THE PROPERTY OF THE	(if other than English)	

	PATENT A	ASSIGNMENT	MS Docket No.: 403228-US-NP
l Vasi	leios KANDYLAS ("A	SSIGNOR") am the origina	l inventor or an original joint
inventor of	subject matter ("	INVENTION") disclosed a	and/or claimed in a patent
application	entitled " <u>Resourc</u>	ce-Efficient Generation	of a Knowledge Graph"
("APPLICATIO	)N"), which:		
$\boxtimes$	will be filed.	ASSIGNOR hereby author	orizes, and requests,
	ASSIGNEE'S legal i	representative, Microsoft	Technology Licensing,
	LLC, One Microsoft	t Way, Redmond, Washing	ton 98052 (ASSIGNEE'S
	LEGAL REPRESENT	ATIVES), to insert here	in parentheses (filed
		and given Application	
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behalf of itse of acquiring priority, in the derived there United States ASSIG	elf and its successors, the entire and exc ne INVENTION and t efrom, such as cont s, its territories, and	s and assigns ("ASSIGNEE") clusive rights, title and in he APPLICATION (and all o tinuing applications, in wh I all foreign countries ("AP	n 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")); IEE'S LEGAL REPRESENTATIVES the following table for any
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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"));

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).

Varileis, Vundyly	2017-11-13
Inventor's Signature	Date
Vasileios KANDYLAS	Βασίλειος Κανδύλας
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Rukmini IYER</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>Resource-Efficient Generation of a Knowledge Graph</u>" ("APPLICATION"), which:

$\boxtimes$	will	be	filed.	ASSIG	NOR	hereby	auth	orizes,	and	requ	uests,
	ASSI	GNE	E'S lega	al repres	entat	ive, Mic	rosoft	Techno	ology	Licer	nsing,
	LLC,	One	: Micros	oft Way,	Redr	nond, W	ashing	ton 980	052 (4	∖SSIG	NEE'S
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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.: <u>403228-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).

Juliani Ago	NOV 16 2017
Inventor's Signature	Date
Rukmini IYER	
Printed Name in English	Printed Name in Native Language
	(if other than English)

**RECORDED: 11/17/2017**