

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4527511

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
VIPUL AGARWAL	07/29/2017
PAUL ANTHONY CROOK	07/28/2017
IMED ZITOUNI	07/27/2017
MARIUS ALEXANDRU MARIN	07/28/2017
RECEIVING PARTY DATA	
Name:	MICROSOFT TECHNOLOGY LICENSING, LLC
Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052-6399
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15664124
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Phone:	425-707-9382
Email:	usdocket@microsoft.com
Correspondent Name:	MICROSOFT CORPORATION
Address Line 1:	ONE MICROSOFT WAY
Address Line 4:	REDMOND, WASHINGTON 98052
ATTORNEY DOCKET NUMBER:	402605-US-NP
NAME OF SUBMITTER:	JEFFREY L. RANCK
SIGNATURE:	/Jeffrey L. Ranck/
DATE SIGNED:	07/31/2017
Total Attachments: 8	
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source=Marin-Assignment#page2.tif

PATENT ASSIGNMENT

MS Docket No.: 402605-US-NP

I Vipul Agarwal ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Knowledge Graph For Conversational Semantic Search" ("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;

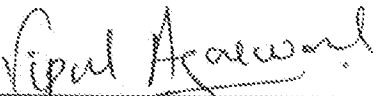
Application No.	Filing Date	Office

PATENT ASSIGNMENT

MS Docket No.: 402605-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	<u>07/29/2017</u> _____ Date
Vipul Agarwal _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

MS Docket No.: 402605-US-NP

I Paul Anthony Crook ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Knowledge Graph For Conversational Semantic Search" ("APPLICATION"), which:

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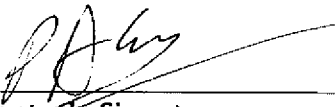
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 _____ Inventor's Signature	<u>7/28/2017</u> _____ Date
<u>Paul Anthony Crook</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Imed Zitouni ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Knowledge Graph For Conversational Semantic Search" ("APPLICATION"), which:

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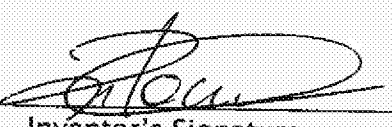
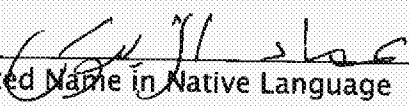
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 Inventor's Signature	<u>07/27/2017</u> Date
Imed Zitouni Printed Name in English	 Printed Name in Native Language (if other than English)

I Marius Alexandru Marin ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Knowledge Graph For Conversational Semantic Search" ("APPLICATION"), which:

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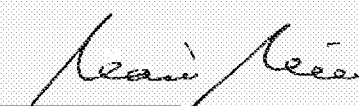
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 _____ Inventor's Signature	<u>07/28/2017</u> _____ Date
Marius Alexandru Marin _____ Printed Name in English	MARIUS ALEXANDRU MARIN _____ Printed Name in Native Language (if other than English)