

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KEITH COLEMAN HEROLD	07/20/2017
OZ SOLOMON	07/21/2017
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<b>Postal Code:</b>	98052
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16599426
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<b>ATTORNEY DOCKET NUMBER:</b>	402580-US-CNT
<b>NAME OF SUBMITTER:</b>	CATHERINE POLANCE
<b>SIGNATURE:</b>	/Catherine Polance/
<b>DATE SIGNED:</b>	10/11/2019
<b>Total Attachments: 4</b>	
source=2019-10-11 Assignment (inventors to MTL) 402580-US-CNT#page1.tif	
source=2019-10-11 Assignment (inventors to MTL) 402580-US-CNT#page2.tif	
source=2019-10-11 Assignment (inventors to MTL) 402580-US-CNT#page3.tif	
source=2019-10-11 Assignment (inventors to MTL) 402580-US-CNT#page4.tif	

I Keith Coleman HEROLD (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “NATURAL LANGUAGE INTERACTION FOR SMART ASSISTANT” (“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 July 21, 2017 and given Application No. 15/656,994 by the following Office U.S. 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 “ \_\_\_\_\_”;

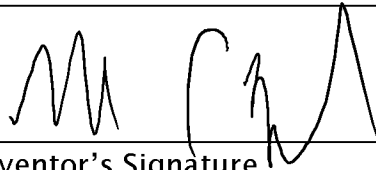
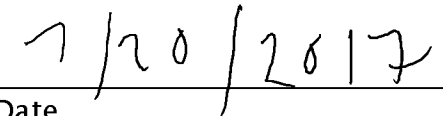
Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns (“ASSIGNEE”), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (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
16/599,426	October 11, 2019	U.S. Patent and Trademark 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, 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	 _____ Date
Keith Coleman HEROLD _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Oz SOLOMON (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “NATURAL LANGUAGE INTERACTION FOR SMART ASSISTANT” (“APPLICATION”), which:

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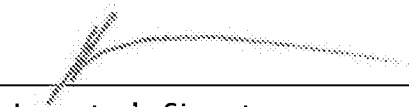
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 <hr/> Inventor's Signature	7/21/2017 <hr/> Date
Oz SOLOMON <hr/> Printed Name in English	<hr/> Printed Name in Native Language (if other than English)