

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
WEI HUANG	09/01/2017
RAJESWARI RAJAGOPALAN	09/05/2017
JOSHUA B. BRUNO	09/05/2017
ZHONGYUAN LI	09/05/2017
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:	15698204
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:	408-244-6319
Email:	USDocket@microsoft.com
Correspondent Name:	FOUNTAINHEAD LAW GROUP P.C. NON-EXPORT
Address Line 1:	900 LAFAYETTE STREET
Address Line 2:	SUITE 301
Address Line 4:	SANTA CLARA, CALIFORNIA 95050
ATTORNEY DOCKET NUMBER:	402852-US-NP
NAME OF SUBMITTER:	BRIAN N. YOUNG
SIGNATURE:	/Brian N. Young Reg. No. 48602/
DATE SIGNED:	09/07/2017
Total Attachments: 8	
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I Wei HUANG ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DYNAMIC COMMAND GENERATION FOR AUTOMATED CONTROL OF COMPUTING MACHINES" ("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 September 7, 2017 and given Application No. 15/698,204 by the following Office US – United States 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

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).

<u>Wei Huang</u>	<u>9/1/2017</u>
Inventor's Signature	Date
<u>Wei HUANG</u>	<u></u>
Printed Name in English	Printed Name in Native Language (if other than English)

I Rajeswari RAJAGOPALAN ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DYNAMIC COMMAND GENERATION FOR AUTOMATED CONTROL OF COMPUTING MACHINES" ("APPLICATION"), which:

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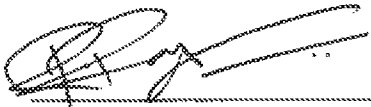
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	<u>9/5/2017</u>
Inventor's Signature	Date
<u>Rajeswari RAJAGOPALAN</u>	
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: 402852-US-NP

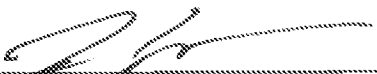
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[illegible]

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	<u>8/5/17</u>
Inventor's Signature	Date
Joshua B. BRUNO	
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: 402852-US-NP

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	<u>9/5/2017</u>
Inventor's Signature	Date
<u>Zhongyuan Li</u>	
Printed Name in English	Printed Name in Native Language (if other than English)