

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TIMOTHY MATHEW G. ESCOLIN	03/21/2017
BYUNGKWAN MIN	03/02/2017
JOSHUA C. GRANT	03/01/2017
AASHISH NATARAJA	03/07/2017
TSANG CHEUNG	05/17/2017
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:	15617560
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<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>	
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Correspondent Name:	ARENT FOX LLP
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Address Line 4:	WASHINGTON, D.C. 20006
ATTORNEY DOCKET NUMBER:	037834.00065/401181-US-NP
NAME OF SUBMITTER:	DAVID M. NOONAN
SIGNATURE:	/David M. Noonan/
DATE SIGNED:	06/08/2017
Total Attachments: 10	
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I Timothy Mathew G. ESCOLIN (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled "PATTERN FOR INCREASED COEFFICIENT OF FRICTION OF INPUT DEVICES" (“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 US – United States Patent and Trademark Office) this APPLICATION’s Application No., filing date, and Office, when known;
- was filed on January 13, 2017 and was given Application No 62/446079 by the following Office “US”;



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”));

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Application No.	Filing Date	Office
15/617560	June 08, 2017	US

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
<u>Timothy Mathew G. Escolin</u>	<u></u>
Printed Name in English	Printed Name in Native Language (if other than English)

I Byungkwan MIN ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PATTERN FOR INCREASED COEFFICIENT OF FRICTION OF INPUT DEVICES" ("APPLICATION"), which:

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	<u>03.02.2017</u>
Inventor's Signature	Date
<u>Byungkwan Min</u>	
Printed Name in English	Printed Name in Native Language (if other than English)

I Joshua C. GRANT ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PATTERN FOR INCREASED COEFFICIENT OF FRICTION OF INPUT DEVICES" ("APPLICATION"), which:

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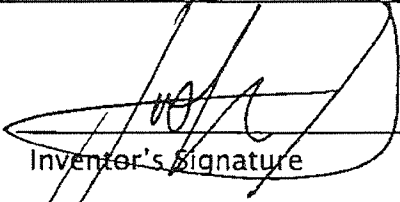
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 _____ Inventor's Signature	<u>03/01/2017</u> _____ Date
<u>Joshua C. Grant</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Aashish NATARAJA ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PATTERN FOR INCREASED COEFFICIENT OF FRICTION OF INPUT DEVICES" ("APPLICATION"), which:

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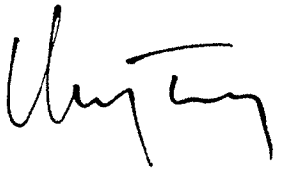
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_____ Inventor's Signature	_____ May17, 2017 Date
_____ Tsang CHEUNG Printed Name in English	_____ 张 峥 Printed Name in Native Language (if other than English)