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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JONI AROLA	06/17/2016
MARKO HEIKKINEN	06/14/2016

RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC	
Street Address:	ONE MICROSOFT WAY	
City:	REDMOND	
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Postal Code:	98052	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15185999

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	3382-96740-01
NAME OF SUBMITTER:	ROBERT F. SCOTTI
SIGNATURE:	/ Robert F. Scotti /
DATE SIGNED:	06/19/2016

Total Attachments: 4

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PATENT ASSIGNMENT

will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Microsoft Technology Licensing, LLC, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES) to insert here in parentheses (filed on 06/17/2016, and given Application No. 15/185,999 by the following Office: 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: United States Patent and Trademark 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 O	I, Joni Arola (" of subject matter ("IN entitled "PRESSURE S		d and/or claimed	in a patent applica	
the following Office: United States Patent and Trademark 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;	lega Micr REPF and State	I representatives, of osoft Way, Redmond RESENTATIVES) to ins given Application No es Patent and Traden	Microsoft Techno I, Washington 980 Sert here in paren o. <u>15/185.999</u> by t nark Office) this <i>i</i>	ology Licensing, LLC 052 (ASSIGNEE'S LEC theses (filed on <u>06/</u> he following Office:	C, One GAL (<u>17/2016</u> , : United
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;					
to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;	behalf of itself and i desirous of acquirin right of priority, in t patents derived ther for the United States	ts successors and as g, the entire and exc he INVENTION and the refrom, such as conti	signs ("ASSIGNEE clusive rights, title he APPLICATION e inuing application	"), is entitled to, an e and interest, inclu (and all other applic ns, in whole or in pa	nd is uding the cations and art,in and
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	Application No.	Filing I	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).

Inventor's Signature

Date

Joni Arola

Printed Name in English

Date

Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

inventor of subject matter ("IN	IVENTION") disclosed a	inal inventor or an original joint ind/or claimed in a patent DEVICES" ("APPLICATION"), whi	
legal represer Microsoft Way REPRESENTAT and given App States Patent	ntatives, of Microsoft To y, Redmond, Washingto IVES) to insert here in polication No. <u>15/185,999</u>	orizes, and requests, ASSIGNEE' echnology Licensing, LLC, One on 98052 (ASSIGNEE'S LEGAL parentheses (filed on <u>06/17/2016</u>) by the following Office: United this APPLICATION's Application own;	<u>;</u> ,
		en Application No by atent and Trademark Office;	У
behalf of itself and its succes desirous of acquiring, the ent right of priority, in the INVEN	sors and assigns ("ASSI ire and exclusive right TION and the APPLICA ^T uch as continuing appli	s, title and interest, including th FION (and all other applications cations, in whole or in part,in a	ne and
to insert the Application No.,	filing date, and Office	ASSIGNEE'S LEGAL REPRESENTAT into the following table for any	TIVES
APPLICATION DERIVATIVES at	ter they are known;		₁
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Malo H.	14.6.2016
Inventor's Signature	Date
Marko Heikkinen	
Printed Name in English	Printed Name in Native Language (if
	other than English)

PATENT REEL: 038949 FRAME: 0560

RECORDED: 06/19/2016