

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4471748

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
OSCAR ENRIQUE MURILLO	03/17/2015
WILLIAM HUNTER JENNINGS	03/25/2015
CRAIG A. FOX	03/25/2015
MATTHEW ANSON HARTMAN	03/30/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICROSOFT TECHNOLOGY LICENSING, LLC
<b>Street Address:</b>	ONE MICROSOFT WAY
<b>City:</b>	REDMOND
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98052
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14658172
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(509)755-7252
<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>	
<b>Phone:</b>	5097557262
<b>Email:</b>	usdocket@microsoft.com
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<b>Address Line 4:</b>	SPOKANE, WASHINGTON 99201
<b>ATTORNEY DOCKET NUMBER:</b>	356789-US-NP
<b>NAME OF SUBMITTER:</b>	ALLAN T. SPONSELLER
<b>SIGNATURE:</b>	/Allan T. Sponseller, Reg. #38,318/
<b>DATE SIGNED:</b>	06/21/2017
<b>Total Attachments: 8</b>	
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source=356789-US-NP Executed Assignments#page6.tif  
source=356789-US-NP Executed Assignments#page7.tif  
source=356789-US-NP Executed Assignments#page8.tif

I Oscar Enrique Murillo ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Facilitating Aligning A User And Camera For User Authentication" ("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 March 14, 2015 and was given Application No. 14/658,172 by the following Office "USPTO";

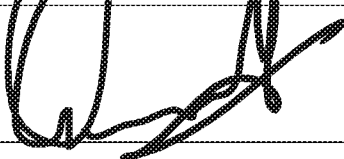
Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (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).

	3/17/2015
_____ Inventor's Signature	_____ Date
Oscar Enrique Murillo	_____
Printed Name in English	Printed Name in Native Language (if other than English)
_____	_____
_____	_____

I William Hunter Jennings ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Facilitating Aligning A User And Camera For User Authentication" ("APPLICATION"), which:

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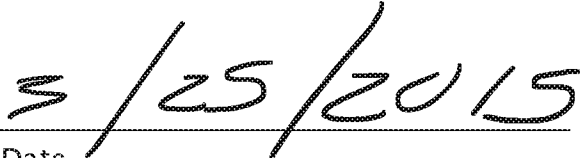
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 _____ Inventor's Signature	 _____ Date
William Hunter Jennings _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Craig A. Fox ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Facilitating Aligning A User And Camera For User Authentication" ("APPLICATION"), which:

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	<u>3/25/2015</u>
Inventor's Signature	Date
<u>Craig A. Fox</u>	
Printed Name in English	Printed Name in Native Language (if other than English)



I Matthew Anson Hartman ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Facilitating Aligning A User And Camera For User Authentication" ("APPLICATION"), which:

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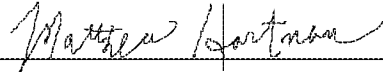
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 _____ Inventor's Signature	3/30/2015 _____ Date
Matthew Anson Hartman _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)