#### 503946974 08/04/2016

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3993630

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
URHO KONTTORI	07/28/2016
MIKKO JUHOLA	07/29/2016
EERO TUULOS	08/04/2016

### **RECEIVING PARTY DATA**

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Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	WASHINGTON
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### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15228723

### CORRESPONDENCE DATA

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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.

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Address Line 2: **SUITE 1600** 

Address Line 4: PORTLAND, OREGON 97204

ATTORNEY DOCKET NUMBER:	3382-97095-01
NAME OF SUBMITTER:	SANDON M. DUNCAN
SIGNATURE:	/Sandon M. Duncan/
DATE SIGNED:	08/04/2016

### **Total Attachments: 5**

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L Unite Kemiter ("ASSIGNOR"), are an original investor or an original least inventor of subject matter ("INVENTION") disclosed audior claimed in a patent application entitled "MULTISHOT TILT OVIKAL IMAGE STABILIZATION FOR SHALLOW DEPTH OF FIELD" ("APPLICATION"), which

will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNAL'S legal representatives, of Microsoft Technology Licensing, LLC, One Microsoft Westernamed, Washington 98052 (ASSIGNEL'S LEGAL REPRESENTATIVES to insert back to parentheses (filed on 08/04/2016, and given Application No. 15/228723 by the Loss APPLICATION's Application No. and filing date, when known

was filed on \_\_\_\_\_\_ and was given Application No. \_\_\_\_\_ by the following Office "United States Patent and Trademark Office":

All could be accessed and an agency ASSICNED as entitled to and a decrease of acquiring the object of and accessed and an agency and accessed the analysis of accessed the and the accessed to an accessed the analysis of the accessed to a subject of a continuous applications and patents decreased therefore, such as continuous applications in whole or in part is and for the Lancel States in commons and all recognisions of 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;

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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 ASSIGNOR. ASSIGNOR'S contemplies usle and interest, including the right of priority in the INVESTION and the APPLICATION (and all other applications and patents derived therefrom, such as consuming applications, in whole or in part is and for the United States, in terrationes, and all foreign countries (APPLICATION DERIVATIVES).

ASSIGNOR agrees to execute all instruments and documents required for the making and procedures of the APPLICATION and APPLICATION DERIVATIVES), for integration regarding terms pagent derived therefrom, and for the purpose of protecting and perfecting offers the APPLICATION APPLICATION APPLICATION APPLICATION.

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**PATENT** 

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# PATENT ASSIGNMENT

I, Mikko Juhola ("ASSIGNOR inventor of subject matter ("INVEI application entitled "MULTISHOT DEPTH OF FIELD" ("APPLICATION"	NTION") disclosed an TILT OPTICAL IMAGE	d/or claimed in a patent
legal representat Microsoft Way, R REPRESENTATIVE and given Applic United States Pat	lves, of Microsoft Te edmond, Washingtor S) to insert here in p ation No. <u>15/228,723</u>	Office) this APPLICATION's
the following Off Microsoft Technology Lice behalf of itself and its successor desirous of acquiring, the entire	fice " theUnited State ensing, LLC, a Washir s and assigns ("ASSIC and exclusive rights	, title and interest, including the
patents derived therefrom, such for the United States, its territori DERIVATIVES"));	as continuing applic	ION (and all other applications and ations, in whole or in part,in and puntries ("APPLICATION
ASSIGNOR hereby authorito insert the Application No., filitapplication DERIVATIVES after	ng date, and Office i	SSIGNEE'S LEGAL REPRESENTATIVES nto the following table for any
Application No.	Filing Date	Office
	1	

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to

Version.

the ASSIGNEE, ASSIGNOR'S entire 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).

| Mikko Juhola | Printed Name in English | Printed Name in Native Language (if other than English)

# PATENT ASSIGNMENT

of subject matter ("INVEN	SIGNOR"), am the original i TION") disclosed and/or cli "OPTICAL IMAGE STABILIZA vhich:	aimed in a patent applica	ation
legal rep Microsoft REPRESEI and giver United St	ed. ASSIGNOR hereby auth resentatives, of Microsoft Toward Redmond, Washington (TATIVES) to insert here in Application No. 15/228,723 ates Patent and Trademark on No. and filing date, whe	echnology Licensing, LLI on 98052 (ASSIGNEE'S LE parentheses (filed on <u>08/</u> _ by the < Office) this APPLICATIO	C, One GAL 04/2016,
	on and was given and Office "United States P		
behalf of itself and its su desirous of acquiring, the right of priority, in the IN patents derived therefron	ogy Licensing, LLC, a Washi ccessors and assigns ("ASSi e entire and exclusive right VENTION and the APPLICAT In, such as continuing appli territories, and all foreign o	IGNEE"), is entitled to, and some some some some some some some some	id is uding the cations and
to insert the Application	authorizes, and requests, / No., filing date, and Office		
APPLICATION DERIVATIVE	ES 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

MS Docket No. 360211.01

the ASSIGNEE, ASSIGNOR'S entire 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).

	4.8.20:6
Inventor's Signature	Oate
Eero Tuulos	
Printed Name in English	Printed Name in Native Language (if
	other than English)

PATENT REEL: 039347 FRAME: 0103

RECORDED: 08/04/2016