## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5080615

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SATYADEV HULIKAL NAGARAJA	05/04/2018
ONUR CAN AKKAYA	05/02/2018
CYRUS SOLI BAMJI	05/01/2018

### **RECEIVING PARTY DATA**

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Postal Code:	98052	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15968657

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Address Line 2: PATENT GROUP DOCKETING DEPT Address Line 4: **REDMOND, WASHINGTON 98052** 

ATTORNEY DOCKET NUMBER:	403608-US-NP
NAME OF SUBMITTER:	VLADIMIR A. KOZYREV
SIGNATURE:	/VLADIMIR A. KOZYREV/
DATE SIGNED:	08/02/2018

### **Total Attachments: 6**

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**PATENT** REEL: 046541 FRAME: 0841 505033864

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PATENT REEL: 046541 FRAME: 0842

PATENT ASSIGNMENT	Γ MS Docket	No.: <u>403608-US-NP</u>
I <u>Satyadev Hulikal NAC</u> original joint inventor of subje patent application entitled " <u>GEF</u> <u>SENSOR</u> " ("APPLICATION"), whic	ect matter ("INVENTION") o	
ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESENT	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing ATIVES), to insert here in pand given Application N	Technology Licensing, oton 98052 (ASSIGNEE'S parentheses (filed on
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Microsoft Technology Lidbehalf of itself and its successive desirous of acquiring, the entireight of priority, in the INVENTIPP patents derived therefrom, sucfor the United States, its to DERIVATIVES"));	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION of h as continuing applicatio	tle and interest, including the (and all other applications and ns, in whole or in part, in and
ASSIGNOR hereby REPRESENTATIVES to insert tl following table for any APPLICA	ne Application No., filin	<del>-</del>
Application No.	Filing Date	Office

### PATENT ASSIGNMENT

MS Docket No.: 403608-US-NP

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).

Muturly Inventor's Signature	4 May 2018 Date
Satyadev Hulikal NAGARAJA	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMEN	T MS Docket	No.: <u>403608-US-NP</u>
inventor of subject matter	("INVENTION") disclosed a NIUM-MODIFIED, BACK-S	l inventor or an original join and/or claimed in a paten SIDE ILLUMINATED OPTICAI
ASSIGNEE'S legal LLC, One Microso LEGAL REPRESENT the following Offi	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing ATIVES), to insert here in part and given Application Notes to the control of the co	Technology Licensing, gton 98052 (ASSIGNEE'S parentheses (filed on look by this
	1, 2018 and was given App ne following Office " <u>USPTO</u>	
Microsoft Technology Li behalf of itself and its succe desirous of acquiring, the enti right of priority, in the INVENT patents derived therefrom, suc for the United States, its DERIVATIVES"));	ssors and assigns ("ASSIO re and exclusive rights, ti ION and the APPLICATION of th as continuing application	tle and interest, including the (and all other applications and ns, in whole or in part, in and
ASSIGNOR hereby REPRESENTATIVES to insert t following table for any APPLICA	he Application No., filing	=
Application No.	Filing Date	Office Office
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MS Docket No.: 403608-US-NP

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J. 1111	5/2/2018
Inventor's Signature	Date
Onur Can AKKAYA	
Printed Name in English	Printed Name in Native Language
	(if other than English)

# PATENT ASSIGNMENT

MS Docket No.: <u>403608-US-NP</u>

l <u>Cyrus</u>	Soli BAMJI ("ASS	IGNOR") am the original	inventor or an original joint
inventor of s	subject matter ("	'INVENTION") disclosed	and/or claimed in a patent
application e	ntitled " <u>GERMAN</u>	NUM-MODIFIED, BACK-S	SIDE ILLUMINATED OPTICAL
	LICATION"), which		
□ v	will be filed.	ASSIGNOR hereby auth	orizes, and requests,
		representative, Microsoft	
		t Way, Redmond, Washing	
		ATIVES), to insert here in p	
-		and given Application N	
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		pplication No., filing da	
	known;	<b>,</b> , , , , , , , , , , , , , , , , , ,	,
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$\boxtimes$	was filed on May 1	, 2018 and was given App	olication No
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_1	13/908,037 by the	e following Office <u>obrid</u>	,
Microso	oft Technology Lie	ensing IIC a Washingto	n limited liability company, or
	<del>-</del> -	•	GNEE"), is entitled to, and is
			tle and interest, including the
	<del>-</del>		(and all other applications and
-			ns, in whole or in part, in and
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DERIVATIVES")		critiones, and an inter-	gir countries (711) Elextron
DERIVATIVES )	<b>'</b> /',		
ASSICN	OR hereby :	authorizes and requ	uests, ASSIGNEE'S LEGAL
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		TION DERIVATIVES after th	
Application No		Filing Date	Office
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Page 1 of 2

MS Docket No.: 403608-US-NP

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1 Diamile	1 st May 2018
Inventor's Signature	Date
Cyrus Soli BAMJI	
Printed Name in English	Printed Name in Native Language (if other than English)