### 506425449 12/29/2020

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6472215

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
PARSA BONDERSON	12/23/2020
CHETAN NAYAK	12/24/2020
DAVID REILLY	12/24/2020
MICHAEL ZALETEL	12/24/2020

### **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:	17134953

### **CORRESPONDENCE DATA**

Fax Number:

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.

Email: sarah.tilton@klarquist.com
Correspondent Name: KLARQUIST SPARKMAN LLP
Address Line 1: 121 SW SALMON STREET

Address Line 2: SUITE 1600

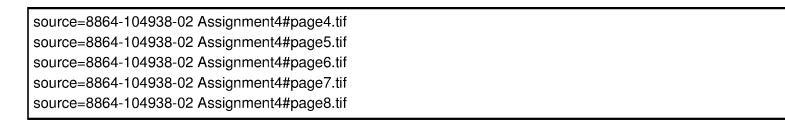
Address Line 4: PORTLAND, OREGON 97204

ATTORNEY DOCKET NUMBER:	8864-104938-02
NAME OF SUBMITTER:	RAJEEV ROHATGI
SIGNATURE:	/Rajeev Rohatgi/
DATE SIGNED:	12/29/2020

**Total Attachments: 8** 

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PATENT 506425449 REEL: 054767 FRAME: 0301



I, Parsa Bonderson ("ASS	IGNOR"), am the original i	nventor or an original joint
inventor of subject matter ("INV	VENTION") disclosed and/	or claimed in a patent
application entitled "INDIVIDUA	LLY TUNABLE QUANTUM	DOTS IN ALL-VAN DER WAALS
HETEROSTRUCTURES" ("APPLICA	ATION"), which:	
legal represent Microsoft Way, REPRESENTATI and given Appl United States P	atives, of Microsoft Techn Redmond, Washington 98	ntheses (filed on Dec. 28, 2020) the following Office: ce) this APPLICATION's
	and was given Ap Office "United States Paten	oplication No by t and Trademark Office";
Microsoft Technology Li	censing, LLC, a Washingto	on limited liability company, on
behalf of itself and its successor		
desirous of acquiring, the entir	e and exclusive rights, tit	le and interest, including the
right of priority, in the INVENT	ON and the APPLICATION	(and all other applications and
patents derived therefrom, suc	h as continuing applicatio	ns, in whole or in part,in and
for the United States, its territor	ories, and all foreign coun	tries ("APPLICATION
DERIVATIVES"));		
ASSIGNOR hereby autho to insert the Application No., fi APPLICATION DERIVATIVES afte	ling date, and Office into	NEE'S LEGAL REPRESENTATIVES the following table for any
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

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	December 23, 2020  Date
Parsa BONDERSON	
Printed Name in English	Printed Name in Native Language (if
	other than English)

I, Chetan Nayak ("AS	SSIGNOR"), am the origina	al inventor or an original joint	
inventor of subject matter	("INVENTION") disclosed	and/or claimed in a patent	
application entitled "INDIVI	DUALLY TUNABLE QUANT	TUM DOTS IN ALL-VAN DER WA	ALS
HETEROSTRUCTURES" ("API	PLICATION"), which:		
legal repre Microsoft N REPRESENT and given A United Stat	sentatives, of Microsoft T Vay, Redmond, Washingto ATIVES) to insert here in Application No. 17/134,95	norizes, and requests, ASSIGNEE Fechnology Licensing, LLC, One on 98052 (ASSIGNEE'S LEGAL parentheses (filed on Dec. 28, 20) 3 by the following Office: Coffice) this APPLICATION's Fice, when known;	
	_	en Application No b Patent and Trademark Office";	У
Microsoft Technolog	y Licensing, LLC, a Wash	ington limited liability company	, on
behalf of itself and its succ	essors and assigns ("ASS	IGNEE"), is entitled to, and is	
desirous of acquiring, the	entire and exclusive right	ts, title and interest, including th	ne
right of priority, in the INV	ENTION and the APPLICA <sup>-</sup>	TION (and all other applications	and
patents derived therefrom,	such as continuing appli	ications, in whole or in part,in a	nd
for the United States, its te	rritories, and all foreign (	countries ("APPLICATION	
DERIVATIVES"));			
•	o., filing date, and Office	ASSIGNEE'S LEGAL REPRESENTAT into the following table for any	
Application No.	Filing Date	Office	

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Inventor's Signature

**Chetan NAYAK** 

Printed Name in English

Printed Name in Native Language (if other than English)

I, David Reilly ("ASSIGNOR of subject matter ("INVENTION")	- · ·	or or an original joint inventor
	·	• • •
entitled "INDIVIDUALLY TUNABLE	•	-VAN DER WAALS
HETEROSTRUCTURES" ("APPLICA"	TION"), which:	
legal representa Microsoft Way, R REPRESENTATIVE and given Applic United States Pa	tives, of Microsoft Techno Redmond, Washington 980	052 (ASSIGNEE'S LEGAL theses (filed on Dec. 28, 202,0 ne following Office:  e) this APPLICATION's
	and was given App fice "United States Patent a	·
Microsoft Technology Lice	ensing, LLC, a Washington	limited liability company, on
behalf of itself and its successor		• • • • • • • • • • • • • • • • • • • •
desirous of acquiring, the entire		
right of priority, in the INVENTIC	<del>-</del>	· · · · · · · · · · · · · · · · · · ·
patents derived therefrom, such		
for the United States, its territor		•
DERIVATIVES"));	ies, and an foreign country	ies (AFFLICATION
DERIVATIVES )),		
•	• •	IEE'S LEGAL REPRESENTATIVES
to insert the Application No., fili	ng date, and Office into th	ne following table for any
APPLICATION DERIVATIVES after	they are known;	
Application No.	Filing Date	Office
Appreation its.	Timing Duce	
I .		

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

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

**David REILLY** 

Printed Name in English

Printed Name in Native Language (if other than English)

I, Michael Za	letel ("ASSIGNOR"), am the	original inventor or an o	original joint
inventor of subject	matter ("INVENTION") discl	osed and/or claimed in	a patent
application entitled	I "INDIVIDUALLY TUNABLE C	UANTUM DOTS IN ALL-	-VAN DER WAALS
HETEROSTRUCTURI	ES" ("APPLICATION"), which:		
leg Mic REF and Uni	I be filed. ASSIGNOR hereby al representatives, of Micro crosoft Way, Redmond, Was PRESENTATIVES) to insert he given Application No. $\frac{17/2}{1}$ ited States Patent and Tradeplication No. filing date, and	soft Technology Licens hington 98052 (ASSIGN ere in parentheses (filed 134,953 by the following emark Office) this APPLI	ng, LLC, One EE'S LEGAL on Dec. 28, 2020 Office:
	s filed on and wa following Office "United St		
Microsoft Te	chnology Licensing, LLC, a	Washington limited liab	ility company, on
	its successors and assigns	-	
	ng, the entire and exclusive		
·	the INVENTION and the APF	<del>-</del>	
	erefrom, such as continuing		
	es, its territories, and all for	• •	-
DERIVATIVES"));			
ASSIGNOR h	ereby authorizes, and reque	ests, ASSIGNEE'S LEGAL	REPRESENTATIVES
to insert the Applic	ation No., filing date, and C	Office into the following	table for any
APPLICATION DERIV	VATIVES after they are know	/n;	
Application No.	Filing Date	Office	
/ Approactor 140.	Thing Date		

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m julelel	12/24/2020	
Inventor's Signature	Date	
Michael ZALETEL		
Printed Name in English	Printed Name in Native Language (if	
	other than English)	