## 506081033 05/28/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6127749

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
DMITRY PIKULIN	05/22/2020
MASON L THOMAS	05/26/2020
CHETAN VASUDEO NAYAK	05/27/2020
ROMAN MYKOLAYOVYCH LUTCHYN	05/26/2020
GEORG WOLFGANG WINKLER	05/25/2020
SEBASTIAN HEEDT	05/23/2020
GIJSBERTUS DE LANGE	05/25/2020
BERNARD VAN HECK	05/24/2020
ESTEBAN ADRIAN MARTINEZ	05/27/2020
LUCAS CASPARIS	05/23/2020
TORSTEN KARZIG	05/28/2020

## **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:	16886670

## CORRESPONDENCE DATA

**Fax Number:** (425)936-7329

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.

**Phone:** 425-538-9035

Email: ECDocket@microsoft.com
Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

PATENT REEL: 052787 FRAME: 0356

506081033

ATTORNEY DOCKET NUMBER:	408192-US-NP
NAME OF SUBMITTER:	VLADIMIR A. KOZYREV
SIGNATURE:	/VLADIMIR A. KOZYREV/
DATE SIGNED:	05/28/2020

## **Total Attachments: 22**

source=2020-05-28 Executed Assignments 408192-US-NP#page1.tif source=2020-05-28 Executed Assignments 408192-US-NP#page2.tif source=2020-05-28 Executed Assignments 408192-US-NP#page3.tif source=2020-05-28 Executed Assignments 408192-US-NP#page4.tif source=2020-05-28 Executed Assignments 408192-US-NP#page5.tif source=2020-05-28 Executed Assignments 408192-US-NP#page6.tif source=2020-05-28 Executed Assignments 408192-US-NP#page7.tif source=2020-05-28 Executed Assignments 408192-US-NP#page8.tif source=2020-05-28 Executed Assignments 408192-US-NP#page9.tif source=2020-05-28 Executed Assignments 408192-US-NP#page10.tif source=2020-05-28 Executed Assignments 408192-US-NP#page11.tif source=2020-05-28 Executed Assignments 408192-US-NP#page12.tif source=2020-05-28 Executed Assignments 408192-US-NP#page13.tif source=2020-05-28 Executed Assignments 408192-US-NP#page14.tif source=2020-05-28 Executed Assignments 408192-US-NP#page15.tif source=2020-05-28 Executed Assignments 408192-US-NP#page16.tif source=2020-05-28 Executed Assignments 408192-US-NP#page17.tif source=2020-05-28 Executed Assignments 408192-US-NP#page18.tif source=2020-05-28 Executed Assignments 408192-US-NP#page19.tif source=2020-05-28 Executed Assignments 408192-US-NP#page20.tif source=2020-05-28 Executed Assignments 408192-US-NP#page21.tif source=2020-05-28 Executed Assignments 408192-US-NP#page22.tif

> PATENT REEL: 052787 FRAME: 0357

PATENT ASSIGNMENT	MS Docket N	No.: <u>408192-US-NP</u>
inventor of subject matter ("	INVENTION") disclosed a REENING AND TUNINC	HETEROJUNCTIONS FOR
ASSIGNEE'S legal in LLC, One Microsoft LEGAL REPRESENTA May 28, 2020 the following Office	ASSIGNOR hereby authorepresentative, Microsoft of Way, Redmond, Washington Parties, to insert here in parties and given Application Notes and US – United States Patent of Application Notes Application Notes and Italians of Italians	Technology Licensing, on 98052 (ASSIGNEE'S arentheses (filed on o. 16/886,670 by and Trademark Office)
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Microsoft Technology Lice behalf of itself and its successors of acquiring, the entire and ex- priority, in the INVENTION and t derived therefrom, such as cont United States, its territories, and	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o cinuing applications, in wh	terest, including the right of ther applications and patents iole or in part, in and for the
ASSIGNOR hereby authori to insert the Application No., f APPLICATION DERIVATIVES after	iling date, and Office into	EE'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 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"));

4400	5/22/2020
mventor's Signature	Date
Dmitry PIKULIN	Дмитрий Пикулин
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT	MS Docket	No.: <u>408192-US-NP</u>
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will be filed.   ASSIGNEE'S legal   LLC, One Microsof   LEGAL REPRESENTA   May 28, 2020   the following Office	ASSIGNOR hereby authorepresentative, Microsoft Way, Redmond, Washing ATIVES), to insert here in part and given Application New US – United States Patent's Application No., filing	orizes, and requests, Technology Licensing, ton 98052 (ASSIGNEE'S parentheses (filed on to. 16/886,670 by t and Trademark Office)
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Microsoft Technology Lic behalf of itself and its successor of acquiring, the entire and ex priority, in the INVENTION and t derived therefrom, such as con United States, its territories, and	s and assigns ("ASSIGNEE") clusive rights, title and ir the APPLICATION (and all o tinuing applications, in w	nterest, including the right of other applications and patents hole or in part, in and for the
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	5/26/20
Inventor's Signature	Date
Mason L THOMAS	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: <u>408192-US-NP</u>

I <u>Chetan Vasudeo NAYA</u>	$\underline{K}$ ("ASSIGNOR") am the o	riginal inventor or an original
joint inventor of subject matte	er ("INVENTION") disclose	d and/or claimed in a patent
application entitled "PRE-Se	CREENING AND TUNIN	<u>IG HETEROJUNCTIONS FOR</u>
TOPOLOGICAL QUANTUM COM	<u>PUTER</u> " ("APPLICATION"), v	/hich:
	ASSIGNOR hereby authrepresentative, Microsoft	•
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	and given Application [	
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	CATION's Application No.,	filing date, and Office,
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was filed on	and was given	Application No
by the following C	Office "	
Microsoft Technology Lie	censing, LLC, a Washingto	n limited liability company, on
behalf of itself and its succe	ssors and assigns ("ASSI	GNEE"), is entitled to, and is
desirous of acquiring, the enti	•	
right of priority, in the INVENTI	_	_
patents derived therefrom, suc		• •
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for the United States, its territories, and all foreign countries ("APPLICATION		
DERIVATIVES"));		
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REPRESENTATIVES to insert t	• •	•
following table for any APPLICA	TION DERIVATIVES after the	ney are known;
Application No.	Filing Date	Office

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Inventor's Signature	Date / /
Chetan Vasudeo NAYAK	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.:	408192-US-NP

I <u>Roman Mykolayovych</u>	<u>LUTCHYN</u> ("ASSIGNOR") a	m the original inventor or ar
original joint inventor of subje	ect matter ("INVENTION")	disclosed and/or claimed in $a$
patent application entitled "F	RE-SCREENING AND TUP	NING HETEROJUNCTIONS FOR
TOPOLOGICAL QUANTUM COM	<u>PUTER</u> " ("APPLICATION"), v	vhich:
oxtimes will be filed.	ASSIGNOR hereby auth	orizes, and requests,
ASSIGNEE'S legal	representative, Microsoft	Technology Licensing,
LLC, One Microso	ft Way, Redmond, Washing	gton 98052 (ASSIGNEE'S
LEGAL REPRESENT	ATIVES), to insert here in	parentheses (filed on
May 28, 2020	and given Application [	No. 16/886,670 by
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Microsoft Technology Lie behalf of itself and its succe desirous of acquiring, the enti right of priority, in the INVENTI patents derived therefrom, suc for the United States, its DERIVATIVES"));	ssors and assigns ("ASSI re and exclusive rights, ti ON and the APPLICATION h as continuing application	tle and interest, including the (and all other applications and ns, in whole or in part, in and
ASSIGNOR hereby	authorizes, and req	uests, ASSIGNEE'S LEGAI
REPRESENTATIVES to insert t	he Application No., filin	g date, and Office into the
following table for any APPLICA	TION DERIVATIVES after the	ney are known;
Application No.	Filing Date	Office
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9072-	05/26/2020
Inventor's Signature	Date
Roman Mykolayovych LUTCHYN	Роман Миколайович Лутчин
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: <u>408192-US-NP</u>

I <u>Georg Wolfgang WINKL</u>	<u>.ER</u> ("ASSIGNOR") am the o	original inventor or an original
joint inventor of subject matte	er ("INVENTION") disclose	d and/or claimed in a patent
application entitled "PRE-So	CREENING AND TUNIN	G HETEROJUNCTIONS FOR
TOPOLOGICAL QUANTUM COM	<u>PUTER</u> " ("APPLICATION"), w	/hich:
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following table for any APPLICA	TION DERIVATIVES after th	ney are known;
Application No.	Filing Date	Office
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Inventor's Signature	<u>05/25/20</u> Date
Georg Wolfgang WINKLER	
Printed Name in English	Printed Name in Native Language
	(if other than English)

inventor of sub	ject matter ("I itled <u>"PRE-SC</u>	NVENTION") di <u>REENING AND</u>	sclosed ar TUNING	nd/or claimed <u>HETEROJUN</u>	n original joint d in a patent NCTIONS FOR
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Page 1 of 2

MS Docket No.: 408192-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")):

1. Ibb	o5/23/2.g2.g
Inventor's Signature	Date
Sebastian HEEDT	
Printed Name in English	Printed Name in Native Language (if other than English)

MS	Docket	No.:	408192-US-NP

l Giish	pertus DE LANGE ("A	ASSIGNOR") am the origina	l inventor or an original joint
	•		nd/or claimed in a patent
application		REENING AND TUNING	
	/	<u>PUTER</u> " ("APPLICATION"), w	
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Micro	soft Technology Lic	ensing, LLC, a Washington	limited liability company, on
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ASSIG	NOR hereby author	izes, and requests, ASSIGN	EE'S LEGAL REPRESENTATIVES
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Application	No.	Filing Date	Office

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	May 25, 2020
Inventor's Signature	Date
Gijsbertus DE LANGE	
Printed Name in English	Printed Name in Native Language
	(if other than English)

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I KATOATO VAN HELK LA	SSICNOR") am the origina	l inventor or an original join
inventor of subject matter (		<b>5</b>
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TOPOLOGICAL QUANTUM COM		
oxtimes will be filed.	ASSIGNOR hereby auth	orizes, and requests,
ASSIGNEE'S legal	representative, Microsoft	Technology Licensing,
LLC, One Microso	ft Way, Redmond, Washing	jton 98052 (ASSIGNEE'S
LEGAL REPRESENT	ATIVES), to insert here in	parentheses (filed on
May 28, 2020	and given Application <code>f</code>	No. 16/886,670 by
the following Of	fice <u>US – United States</u>	Patent and Trademark
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Bernol in Herk	24 May 2020
Inventor's Signature	Date
Bernard VAN HECK	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 408192-US-NP

I <u>Esteban Adrian MARTIN</u>	<u>IEZ</u> ("ASSIGNOR") am the o	original inventor or an original
joint inventor of subject matte	er ("INVENTION") disclose	d and/or claimed in a patent
application entitled "PRE-Si	CREENING AND TUNIN	G HETEROJUNCTIONS FOR
TOPOLOGICAL QUANTUM COM	<u>PUTER</u> " ("APPLICATION"), w	/hich:
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May 28, 2020	and given Application f	No. 16/886,670 by
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<del>-</del>	CATION's Application No.,	
when known;		,
was filed on	and was given	Application No.
by the following C	)ffice "	
Microsoft Technology Lie	censing, LLC, a Washingto	n limited liability company, on
behalf of itself and its succe	ssors and assigns ("ASSI	GNEE"), is entitled to, and is
desirous of acquiring, the enti	re and exclusive rights, ti	tle and interest, including the
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REPRESENTATIVES to insert t	•	
following table for any APPLICA		
Application No.	Filing Date	Office
Application No.	rining Date	Office
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Einting	2070-05-27
Inventor's Signature	Date
Esteban Adrian MARTINEZ	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT	MS Docket N	No.: <u>408192-US-NP</u>
	_	nventor or an original joint
inventor of subject matter ("I	INVENTION") disclosed a	nd/or claimed in a patent
application entitled " <u>PRE-SC</u>	REENING AND TUNING	<u> HETEROJUNCTIONS FOR</u>
TOPOLOGICAL QUANTUM COMP	<u>UTER</u> " ("APPLICATION"), wh	nich:
ASSIGNEE'S legal r LLC, One Microsoft LEGAL REPRESENTA May 28, 2020 the following Office	ASSIGNOR hereby authorepresentative, Microsoft Tepresentative, Microsoft Way, Redmond, Washington No., filing designed and given Application No., filing designed and given No., filing designed and polication No.	Technology Licensing, con 98052 (ASSIGNEE'S arentheses (filed on o. 16/886,670 by and Trademark Office)
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Microsoft Technology Lice behalf of itself and its successors of acquiring, the entire and exc priority, in the INVENTION and the derived therefrom, such as cont United States, its territories, and	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o inuing applications, in wh	terest, including the right of ther applications and patents role or in part, in and for the
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Page	1	of 2	

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1. Ci	05/23/2020
Inventor's Signature	Date
Lucas CASPARIS	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 408192-US-NP
I <u>Torsten KARZIG</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PRE-SCREENING AND TUNING HETEROJUNCTIONS FOR TOPOLOGICAL QUANTUM COMPUTER" ("APPLICATION"), which:
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 May 28, 2020 and given Application No. 16/886,670 by the following Office US - 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 "";
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

1L following table for any APPLICATION DERIVATIVES after they are known;

Application No.	Filing Date	Office	
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MS Docket No.: 408192-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"));

Forden Com	0512812020
Inventor's Signature	Date
Torsten KARZIG	
Printed Name in English	Printed Name in Native Language (if other than English)