PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6852783

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DOMINIK ANDRÉ GRESCH	08/05/2021
DMITRY PIKULIN	08/04/2021
GEORG WOLFGANG WINKLER	08/05/2021
RAFAL MACIEJ RECHCINSKI	08/05/2021

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:	17396057		

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: usdocket@microsoft.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	410362-US-NP
NAME OF SUBMITTER:	KATHERINE WILSON
SIGNATURE:	/Katherine Wilson/
DATE SIGNED:	08/06/2021

Total Attachments: 8

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PATENT 506805964 REEL: 057105 FRAME: 0660

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> PATENT REEL: 057105 FRAME: 0661

MS Docket No.: 410362-US-NP

I Dominik André GRESCH ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "GATING A SEMICONDUCTOR LAYER INTO A QUANTUM SPIN HALL INSULATOR STATE" ("APPLICATION"), which:

	ASSIGNOR hereby authorizes, al representative, Microsoft Techno oft Way, Redmond, Washington 98	ology Licensing
LEGAL REPRESE	NTATIVES), to insert here in pa	rentheses (file
the following	Office Application No., filling date, and Offi) th
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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	

Page 1 of 2

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).

Inventor's Signature

Dominik André GRESCH Printed Name in English <u> 2021 - 00 - 05</u>

Date

Printed Name in Native Language

(if other than English)

Only PROUNTASSICNOR, an the original inventor of an original inventor of subject matter (INVENTION) disclosed and or claimed in a patent application entitled "CATING A SEMICONDUCTOR LAYER INTO A QUANTUM SPIN HALL NEW ATOR STATE CAPPLICATION), which

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Application No.	Filing Date	Office

Page 1 of 2

PATENT REEL: 057105 FRAME: 0664

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I Georg Wolfgang WINKLER ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "GATING A SEMICONDUCTOR LAYER INTO A QUANTUM SPIN HALL INSULATOR STATE" ("APPLICATION"), which:

MS Docket No.: 410362-US-NP

X	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
	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"));

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MS Docket No.: 410362-US-NP

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Con Wolfgry Winds	8/5/2021		
Inventor's Signature	Date		
Georg Wolfgang WINKLER			
Printed Name in English	Printed Name in Native Language		
	(if other than English)		

MS Docket No.: 410362-US-NP

I Rafai Maciej RECHCINSKI ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "GATING A SEMICONDUCTOR LAYER INTO A QUANTUM SPIN HALL INSULATOR STATE" ("APPLICATION"), which:

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ASSIGNEES	s legal representa	tive, Micr	osoft Te	chnology	Licens	ing.
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MS Docket No.: 410362-US-NP

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Roful Marin Rechainsta	0810512021
Inventor's Signature	Date
Rafal Maciej RECHCINSKI	
Printed Name in English	Printed Name in Native Language
	(if other than English)