PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:

CORRECTIVE ASSIGNMENT

Corrective Assignment to correct the FIFTH INVENTORS NAME TO
"SCOTT ALLEN DENSMORE" THAT WAS MISTAKENLY RECORDED
AS "SCOTT ALLEN DESMORE" previously recorded on Reel 051831

Frame 0217. Assignor(s) hereby confirms the THE ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
PETER ALFRED DEVICK PETERSON	12/24/2019
NILOFER RAJPURKAR	01/22/2020
JOHN REED HANNIG	12/27/2019
PATRICK GERARD BROGAN	12/23/2019
SCOTT ALLEN DENSMORE	12/30/2019
KENNETH S. HAYD	12/23/2019

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:	16724036

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: SCHWEGMAN LUNDBERG & WOESSNER, P.A.

Address Line 1: P.O. BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	407857-US-NP (1777.E19US1
NAME OF SUBMITTER:	JANINE HEITLAND
SIGNATURE:	/ Janine Heitland /
DATE SIGNED:	01/26/2021

PATENT REEL: 055121 FRAME: 0558

EPAS ID: PAT6516306

506469530

Total Attachments: 14 source=1777E19US1CORRASSN#page1.tif source=1777E19US1CORRASSN#page2.tif source=1777E19US1CORRASSN#page3.tif source=1777E19US1CORRASSN#page4.tif source=1777E19US1CORRASSN#page5.tif source=1777E19US1CORRASSN#page6.tif source=1777E19US1CORRASSN#page7.tif source=1777E19US1CORRASSN#page8.tif source=1777E19US1CORRASSN#page9.tif source=1777E19US1CORRASSN#page10.tif source=1777E19US1CORRASSN#page10.tif source=1777E19US1CORRASSN#page10.tif source=1777E19US1CORRASSN#page11.tif source=1777E19US1CORRASSN#page12.tif source=1777E19US1CORRASSN#page13.tif source=1777E19US1CORRASSN#page13.tif

PATENT REEL: 055121 FRAME: 0559

505919743 02/17/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5966460

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PETER ALFRED DEVICK PETERSON	12/24/2019
NILOFER RAJPURKAR	01/22/2020
JOHN REED HANNIG	12/27/2019
PATRICK GERARD BROGAN	12/23/2019
SCOTT ALLEN DESMORE	12/30/2019
KENNETH S. HAYD	12/23/2019

RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC
Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	CALIFORNIA
Postal Code:	98052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16724036

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: request@slwip.com

Correspondent Name: SCHWEGMAN LUNDBERG & WOESSNER, P.A.

Address Line 1: P.O. BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	407857-US-NP (1777.E19US1
NAME OF SUBMITTER:	ABBY JACKSON
SIGNATURE:	/Abby Jackson/
DATE SIGNED:	02/17/2020

Total Attachments: 13

source=1777.E19US1Assignment#page1.tif

PATENT REEL: 055121 FRAME: 0560 PATENT ASSIGNMENT MS Docket No.: 407857-US-NP

joint inventor of subject	t matter ("INVENTION") dis	n the original inventor or an orig closed and/or claimed in a pa ow Cooled Devices", which:	
ASSIGNEE'S LLC, One M LEGAL REP on the follow	legal representative, Micr licrosoft Way, Redmond, Wa RESENTATIVES), to insert and given Appli- ring Office	authorizes, and requests, osoft Technology Licensing, ishington 98052 (ASSIGNEE'S here in parentheses (filed cation No	
	n <u>December 20, 2019</u> and v <u>6</u> by the following Office " <u>U</u>		
behalf of itself and its sur of acquiring, the entire priority, in the INVENTIO derived therefrom, such United States, its territor ASSIGNOR hereby	ccessors and assigns ("ASSIC and exclusive rights, title in N and the APPLICATION (and as continuing applications, ies, and all foreign countries authorizes, and requests, And No., filing date, and Offi	ington limited liability company GNEE"), is entitled to, and is designed interest, including the right dall other applications and pat, in whole or in part, in and forms ("APPLICATION DERIVATIVES"), ASSIGNEE'S LEGAL REPRESENTAT ce into the following table for	rous at of ents the);
Application No.	Filing Date	Office	

Page 1 of 2

PATENT ASSIGNMENT MS Docket No.: 407857-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).

Inventor's Signature

Peter Alfred Devick Peterson

Printed Name in English

12/24/2019 Date

Printed Name in Native Language (if other than English)

	•		inventor or an original joint
	•	INVENTION") disclosed a ably for Vertical Airflow Co	nd/or claimed in a patent oled Devices", which:
	ASSIGNEE'S legal is LLC, One Microsoft LEGAL REPRESENT on the following O	ASSIGNOR hereby authorepresentative, Microsoft way, Redmond, Washingt ATIVES), to insert here and given Application ffice blication No., filing date, and given are the collication was a series of the collication of the collication was a series of	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed Noby) this
\boxtimes		nber 20, 2019 and was giv following Office " <u>US Pater</u>	
behalf of itse of acquiring priority, in the derived there	If and its successors, the entire and exe ne INVENTION and te efrom, such as cont	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o tinuing applications, in wh	limited liability company, on, is entitled to, and is desirous terest, including the right of ther applications and patents tole or in part, in and for the PLICATION DERIVATIVES"));
to insert the	•	iling date, and Office into	EE'S LEGAL REPRESENTATIVES the following table for any
Application	No.	Filing Date	Office
***************************************	***************************************	***************************************	·

MS Docket No.: 407857-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"));

Bojartor	1/22/20
Inventor's Signature	Date
Nilofer Rajpurkar	
Printed Name in English	Printed Name in Native Language
	(if other than English)

inventor of sub	oject matter ("	~	inventor or an original joint nd/or claimed in a patent oled Devices", which:
AS: LLC LEC on the	SIGNEE'S legal : C, One Microsof GAL REPRESENT following O	ASSIGNOR hereby authorepresentative, Microsoft of the Way, Redmond, Washington (ATIVES), to insert here and given Application of the fice filling date, are plication of the polication of the plication of the pl	Technology Licensing, on 98052 (ASSIGNEE'S in parentheses (filed Noby) this
		n <u>ber 20, 2019</u> and was giv e following Office " <u>US Pater</u>	
behalf of itself are of acquiring, the priority, in the IN derived therefro	nd its successor e entire and ex NVENTION and t m, such as con	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o tinuing applications, in wh	limited liability company, on is entitled to, and is desirous terest, including the right of ther applications and patents ole or in part, in and for the PLICATION DERIVATIVES"));
to insert the Ap	plication No., f	•	EE'S LEGAL REPRESENTATIVES the following table for any
Application No.		Filing Date	Office

MS Docket No.: 407857-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).

John Reed Hannig

Printed Name in English

Printed Name in Native Language

(if other than English)

I Patrick Gerard Brogan ("A inventor of subject matter ("I application entitled " <u>Rack Assem</u>	NVENTION") disclosed a	•	
ASSIGNEE'S legal r LLC, One Microsoft LEGAL REPRESENT, on the following Of	ASSIGNOR hereby authorepresentative, Microsoft way, Redmond, Washingt ATIVES), to insert here and given Application fice	Technology Licensing, on 98052 (ASSIGNEE'S in parentheses (filed Noby) this	
	<u>nber 20, 2019</u> and was giv following Office " <u>US Pater</u>		
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 authorized insert the Application No., fit APPLICATION DERIVATIVES after	ling date, and Office into	EE'S LEGAL REPRESENTATIVES the following table for any	
Application No.	Filing Date	Office	

MS Docket No.: 407857-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"));

Patrick G Brogan	12/23/2019
Inventor's Signature	Date
Patrick Gerard Brogan	
Printed Name in English	Printed Name in Native Language
	(if other than English)

LŠanti	t Allen Denemore ("	ASSICAIOD") am tha arigin	al inventor or an original joint
			and/or claimed in a patent
			·
application e	mutieu <u>Kack Assem</u>	ibly for Vertical Airflow Co	oled Devices , which:
parama			
	will be filed.	ASSIGNOR hereby author	orizes, and requests,
	ASSIGNEE'S legal r	epresentative, Microsoft	Technology Licensing,
	LLC, One Microsoft	: Way, Redmond, Washing	ton 98052 (ASSIGNEE'S
	LEGAL REPRESENT	ATIVES), to insert here	in parentheses (filed
	on	and given Application	Noby
	the following Of	ffice) this
		olication No., filing date, a	
X	was filed on Decan	nber 20, 2019 and was giv	ian Annlication No
بدست		following Office " <u>US Pate</u>	
	10/724,030 by the	Tollowing Office US rate	in Office ,
Micro	coft Tachnalagy Lie	neina UC a Machinatan	ı limited liability company, on
			, is entitled to, and is desirous
			terest, including the right of
			ther applications and patents
			nole or in part, in and for the
United States	s, its territories, and	all foreign countries ("AP	PLICATION DERIVATIVES"));
ASSIG	NOR hereby authori	zes, and requests, ASSIGN	EE'S LEGAL REPRESENTATIVES
to insert the	Application No., f	ling date, and Office into	o the following table for any
APPLICATION	DERIVATIVES after	they are known;	
Application	No.	Filing Date	Office
<u> </u>			

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")):

S M / / / D June / Inventor's Signature	
Scott Allen Densmore	
Printed Name in English	Printed Name in Native Language (if other than English)

subject matter ("I	NVENTION") disclosed a	nd/or claimed in a patent
ASSIGNEE'S legal r LLC, One Microsoft LEGAL REPRESENT. on the following Of	epresentative, Microsoft way, Redmond, Washingt ATIVES), to insert here and given Application	Technology Licensing, on 98052 (ASSIGNEE'S in parentheses (filed Noby
f and its successors the entire and exc e INVENTION and the from, such as cont	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o inuing applications, in wh	is entitled to, and is desirous terest, including the right of ther applications and patents tole or in part, in and for the
· ·	•	
	-	the following table for any
No.	Filing Date	Office
	subject matter ("Intitled "Rack Assem" will be filed. ASSIGNEE'S legal relation to the following of the following of the following of the following by the fand its successors the entire and except t	subject matter ("INVENTION") disclosed a ntitled "Rack Assembly for Vertical Airflow Co will be filed. ASSIGNOR hereby author ASSIGNEE'S legal representative, Microsoft LLC, One Microsoft Way, Redmond, Washingt LEGAL REPRESENTATIVES), to insert here on and given Application the following Office APPLICATION's Application No., filing date, ar was filed on December 20, 2019 and was given 16/724,036 by the following Office "US Pater oft Technology Licensing, LLC, a Washington of and its successors and assigns ("ASSIGNEE"), the entire and exclusive rights, title and in the INVENTION and the APPLICATION (and all offrom, such as continuing applications, in who, its territories, and all foreign countries ("APINOR hereby authorizes, and requests, ASSIGN Application No., filing date, and Office into DERIVATIVES after they are known;

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"));

	12-23
Inventor-5-Signature	Date
Kenneth S. Hayd	
Printed Name in English	Printed Name in Native Language
	(if other than English)