PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANDRES FELIPE HERNANDEZ MOJICA	03/02/2019
WILLIAM PAUL HOVIS	04/02/2019
GARRETT DOUGLAS BLANKENBURG	04/02/2019

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:	16373703

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	405942-US-NP
NAME OF SUBMITTER:	DAVID J. BOVITZ
SIGNATURE:	/David J. Bovitz/
DATE SIGNED:	04/03/2019

Total Attachments: 6

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PATENT REEL: 048777 FRAME: 0090

MS Docket No.: 405942-US-NP

original joint	inventor of subjication entitled	I <u>DEZ MOJICA</u> ("ASSIGN ect matter ("INVENTIC " <u>THERMAL ARRANG</u> E	ON") disclosed a	nd/or claimed in a
<u>ASSEMBLIES</u> "	("APPLICATION"),	which:		
\boxtimes	will be filed.	ASSIGNOR hereby	authorizes, an	d requests,
	ASSIGNEE'S legal	representative, Micr	osoft Technolog	y Licensing,
	LLC., One Micros	oft Way, Redmond, Wa	shington 98052	(ASSIGNEE'S
	LEGAL REPRESEN	ITATIVES), to insert	here in parent	theses (filed
	on	and given Appli	cation No.	by
	the following Offi	ce <u>US - United States</u>	Patent and Trade	<u>:mark Office</u>)
	this APPLICATION	d's Application No., f	iling date, and	Office, when
	known;	in will be provided a second of the second o		
	was filed on	and was g	iven Application	
		by the following		
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behalf of itse of acquiring, priority, in th derived there United States	If and its successon, the entire and entire and entire and entire in an area. Its territories, and entire in an area.	icensing, LLC, a Wash ors and assigns ("ASSIC xclusive rights, title at the APPLICATION (an ntinuing applications, and all foreign countries."	INEE"), is entitled and interest, inc d all other appli- in whole or in s ("APPLICATION	d to, and is desirous cluding the right of cations and patents part, in and for the DERIVATIVES"));
		rizes, and requests, A		
	• •	filing date, and Office	ce into the follo	wing table for any
,	***************************************	er they are known;		
Application	No.	Filing Date	Office	
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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).

3/2/19

nyé<u>ntor's Signature</u>

Date

Andres Felipe HERNANDEZ MOJICA

Printed Name in English

Printed Name in Native Language (if other than English)

Page 2 of 2

I <u>William Paul HOVIS</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>THERMAL ARRANGEMENT OF MODULES IN SERVER ASSEMBLIES</u>" ("APPLICATION"), which:

\boxtimes	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 <u>US - United States Patent and Trademark Office</u>
	this APPLICATION's Application No., filing date, and Office, wher
	known;
	was filed on and was given Application
	No by the following Office
	u n,

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	
ALLES OF THE STATE			

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).

Miss Paul Hovis Inventor's Signature	4pril 2 nd , 2019 Date
William Paul HOVIS	
Printed Name in English	Printed Name in Native Language (if other than English)

I <u>Ga</u>	rrett Do	uglas	s BLAN	NKENBURG ("	ASSIGNO	R") am	the d	origina	l inv	ento	r or an
original joi	nt inver	itor c	of subj	ject matter ("INVENTI	ON") dis	sclose	d and	or c	laim	ned in a
patent app	plicatior	ent	titled	" <u>THERMAL</u>	<u>ARRANGI</u>	EMENT	OF	<u>MODU</u>	LES	IN	<u>SERVER</u>
<u>ASSEMBLIES</u>	<u>5</u> " ("APPL	.ICAT	ION"),	which:							
\geq	〗 will	be f	iled.	ASSIGNOR	hereby	author	izes,	and	requ	iests	;,

 will be filed. Assignore fieleby authorizes, and requests,
ASSIGNEE'S legal representative, Microsoft Technology Licensing,
LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S
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on and given Application No by
the following Office <u>US – United States Patent and Trademark Office</u>)
this APPLICATION's Application No., filing date, and Office, when
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No by the following Office
<u>" </u>

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Garrett Douglas BLANKENBURG
Printed Name in English
Printed Name in English

(if other than English)