PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6105007

NATURE OF CONVEYANCE: Corrective Assignment to correct the CONVEYING PARTY DATA	SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT		
previously recorded on Reel 050468 Frame 0932. Assignor(s) hereby confirms the ASSIGNMENT.		previously recorded on Reel 050468 Frame 0932. Assignor(s) hereby		

CONVEYING PARTY DATA

Name	Execution Date
HAYDEN CRANFORD	09/23/2019
MICHAEL RAYMOND TROMBLEY	05/13/2020

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:	16579997	

CORRESPONDENCE DATA

Fax Number: (877)812-1249

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: 919-238-2300

Email: usdocket@microsoft.com

Correspondent Name: WITHROW + TERRANOVA

Address Line 1: 106 PINEDALE SPRINGS WAY

Address Line 4: CARY, NORTH CAROLINA 27511

ATTORNEY DOCKET NUMBER:	7006-018
NAME OF SUBMITTER:	KAT M. KENNY
SIGNATURE:	/Kat M. Kenny/
DATE SIGNED:	05/13/2020

Total Attachments: 5

source=7006-018_Updated-Assignments#page1.tif source=7006-018_Updated-Assignments#page2.tif source=7006-018_Updated-Assignments#page3.tif

PATENT 506058293 REEL: 052655 FRAME: 0647

source=7006-018_Updated-Assignments#page4.tif source=7006-018_Updated-Assignments#page5.tif

PATENT REEL: 052655 FRAME: 0648 505686950 09/24/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5733760

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		

CONVEYING PARTY DATA

Name	Execution Date		
HAYDEN CRANFORD	09/23/2019		
MICHAEL TROMBLEY	09/24/2019		

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:	16579997

CORRESPONDENCE DATA

Fax Number: (877)812-1249

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: 919-238-2300

Email: usdocket@microsoft.com

Correspondent Name: WITHROW + TERRANOVA

Address Line 1: 106 PINEDALE SPRINGS WAY

Address Line 4: CARY, NORTH CAROLINA 27511

ATTORNEY DOCKET NUMBER:	7006-018
NAME OF SUBMITTER:	KAT M. KENNY
SIGNATURE:	/Kat M. Kenny/
DATE SIGNED:	09/24/2019

Total Attachments: 4

source=7006-018_Assignments_signed#page1.tif source=7006-018_Assignments_signed#page2.tif source=7006-018_Assignments_signed#page3.tif source=7006-018_Assignments_signed#page4.tif

> PATENT REEL: 052655 FRAME: 0649

PATENT ASSIGNMENT MS Docket No.: 407281-US-NP

ı <u>Hayo</u>	<u>ien CRANFORD</u> ("A	(SSIGNOR") am the origina	il inventor or an original join
inventor of	subject matter ("INVENTION") disclosed	and/or claimed in a paten
application e	entitled " <u>DYNAMIC</u>	SEQUENTIAL APPROXIMAT	ION REGISTER (SAR) ANALOG-
TO-DIGITAL	CONVERTER (ADC)	(SAR-ADC) CLOCK DELA	Y CALIBRATION SYSTEMS AND
METHODS" ("	'APPLICATION"), wh	nich:	
	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	TATIVES), to insert here	in parentheses (filed
	on	and	given Application
	No	by the following Offi	
		mark Office) this APPLICA	
		ffice, when known;	
	_	,	
\boxtimes	was filed on Septe	<u>ember 24, 2019</u> and was g	iven Application
		by the following Office "Un	
	Trademark Office'	,	IILEU States Fatent and
	Hauciliaik Office	,	
Micro	soft Technology Lie	consing LLC a Washington	n limited liability company, or
	- .		GNEE"), is entitled to, and is
		-	tle and interest, including the
	•		· · · · · · · · · · · · · · · · · · ·
-	• '		(and all other applications and
•		<u> </u>	ns, in whole or in part, in and
	•	erritories, and all forei	gn countries ("APPLICATION
DERIVATIVES	·"));		
ASSIG	•	•	uests, ASSIGNEE'S LEGA
		• •	g date, and Office into the
		TION DERIVATIVES after th	
Application N	١٥.	Filing Date	Office
	_		
	_		

Page 1 of 2

	PATENT	ASSIGNMENT	MS	Docket No.:	407281-US-NP
-					
-					
ALCOHOL:					

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).

Haylen Cranford	9 /2-3 //9
Inventor's Signature	Date
Hayden CRANFORD Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 407281-US-NP

) am the original inventor	
original joint inventor of subje	ect matter ("INVENTIC	ON") disclosed and/or claim	ed in a
patent application entitled "D	YNAMIC SEQUENTIAL	APPROXIMATION REGISTE	R (SAR)
ANALOG-TO-DIGITAL CONVE			
SYSTEMS AND METHODS" ("APP			
\square will be filed.	ASSIGNOR hereby	authorizes, and requests	•
ASSIGNEE'S legal	representative, Micr	osoft Technology Licensing	l _i
LLC, One Microso	ft Way, Redmond, Wa	shington 98052 (ASSIGNEE'	S
LEGAL REPRESEN	TATIVES), to insert	here in parentheses (file	d
on .	and	given Application	n
No	by the following	Office US - United State	<u>s</u>
Patent and Trade	mark Office) this APF	LICATION's Application No.	•••
filing date, and O	ffice, when known;		
	*		
was filed on Sent	ember 24, 2019 and a	was given Application	
	· · · · · · · · · · · · · · · · · · ·	ce " <u>United States Patent and</u>	
<u>Trademark Office</u>			
Name of the state		en inglini kemisanan kenkeken ing m	
이 그렇게 나는 그를 가는 그를 가게 되는 수 없었다.		ington limited liability comp	
behalf of itself and its succe	장마 그 이 숙성하는 하는 구		
desirous of acquiring, the ent			
right of priority, in the INVENT			
patents derived therefrom, suc			
for the United States, its	territories, and all	foreign countries ("APPLI	CATION
DERIVATIVES"));			
ASSIGNOR hereby	authorizes, and		LEGAL
REPRESENTATIVES to insert	the Application No.,	filing date, and Office i	nto the
following table for any APPLICA	ATION DERIVATIVES a	fter they are known;	
Application No.	Filing Date	Office	
T	. decrease in the contract of		

Page 1 of 2

PATENT ASSIGNMEN	NT MS Docket No.:	407281-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).

ínventor's Signature

Michael Raymond TROMBLEY
Printed Name in English

<u>Flichael Nayrong Hogl</u> Printed Name in Native Language

Printed Name in Native Language

(if other than English)