506359315 11/17/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6406070

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAINI XIE	05/04/2020
THIRUPATHAIAH ANNAPUREDDY	05/05/2020
MALLIK BULUSU	05/02/2020
MUHAMMAD ASHFAQ AHMED	11/12/2020

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:	16874276

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: 4255389035

Email: usdocket@microsoft.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	408081-US-NP
NAME OF SUBMITTER:	CATHERINE POLANCE
SIGNATURE:	/Catherine Polance/
DATE SIGNED:	11/17/2020

Total Attachments: 8

source=2020-11-17 Executed Assignments 408081-US-NP#page1.tif source=2020-11-17 Executed Assignments 408081-US-NP#page2.tif source=2020-11-17 Executed Assignments 408081-US-NP#page3.tif

PATENT 506359315 REEL: 054394 FRAME: 0628

source=2020-11-17 Executed Assignments 408081-US-NP#page4.tif source=2020-11-17 Executed Assignments 408081-US-NP#page5.tif source=2020-11-17 Executed Assignments 408081-US-NP#page6.tif source=2020-11-17 Executed Assignments 408081-US-NP#page7.tif source=2020-11-17 Executed Assignments 408081-US-NP#page8.tif

PATENT REEL: 054394 FRAME: 0629

MS Docket No.: <u>408081-US-NP</u>

subject matter ("INVENTION") d "FIRMWARE UPDATE PATCH" ("A will be filed. ASSIGNEE'S legal LLC, One Microsoft LEGAL REPRESENT May 14, 2020 the following Offe	isclosed and/or claimed i	orizes, and requests, Technology Licensing, gton 98052 (ASSIGNEE'S parentheses (filed on No. 16/874,276 by Patent and Trademark
	and was given	
Microsoft Technology Lidebehalf of itself and its success desirous of acquiring, the entire right of priority, in the INVENTIFE patents derived therefrom, successfor the United States, its to DERIVATIVES"));	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION of h as continuing applicatio	tle and interest, including the (and all other applications and ns, in whole or in part, in and
ASSIGNOR hereby REPRESENTATIVES to insert the following table for any APPLICA	ne Application No., filin	
Application No.	Filing Date	Office
Application No.	Timing Date	OHICE

MS Docket No.: <u>408081-US-NP</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"));

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).

Dain' D'e	
	05/04/2020
Inventor's Signature	Date
Daini XIE	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 408081-US-NP

("ASSIGNOR") am the original inventor or an

original join	t inventor of subj	ect matter ("INVENTION	am the original invento I") disclosed and/or clair	med in a
4000000	will be filed. ASSIGNEE'S legal LLC, One Microso LEGAL REPRESENT May 14, 2020	ASSIGNOR hereby a representative, Micros ft Way, Redmond, Wash ATIVES), to insert here and given Applicatio	" ("APPLICATION"), which: uthorizes, and request oft Technology Licensing nington 98052 (ASSIGNEE) in parentheses (filed on on No. 16/874,276	s, g, 'S
			es Patent and Trademai No., filing date, and Offic	
		and was giv		
behalf of its desirous of a right of prior patents deriv	self and its succe acquiring, the enti ity, in the INVENT yed therefrom, suc ited States, its	ssors and assigns ("A re and exclusive rights ON and the APPLICATION on as continuing applica	gton limited liability comp SSIGNEE"), is entitled to s, title and interest, inclu- ON (and all other applications, in whole or in part preign countries ("APPL	, and is ding the ions and t, in and
REPRESENTA:	TIVES to insert t		requests, ASSIGNEE'S iling date, and Office i or they are known;	into the
Application N	***************************************	Filing Date	Office	

Page 1 of 2

MS Docket No.: 408081-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).

4712	05/05/2020	
Inventor's Signature	Date	
Thirupathaiah ANNAPUREDDY		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

I <u>Mallik BULUSU</u> ("ASSIGNOR") am the original inventor or an original joint
inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent
application entitled "FIRMWARE UPDATE PATCH" ("APPLICATION"), which:
oxtimes will be filed. ASSIGNOR hereby authorizes, and requests,
ACCIONET'S logal representative Microsoft Technology Licensing

MS Docket No.: 408081-US-NP

	· · · · · · · · · · · · · · · · · · ·
	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 14, 2020 and given Application No. <u>16/874,276</u> by
	the following Office US - United States Patent and Trademark
	Office) this APPLICATION's Application No., filing date, and Office
	when known;
\neg	was filed on and was given Application No.

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 following table for any APPLICATION DERIVATIVES after they are known;

Application No.	Filing Date	Office

MS Docket No.: 408081-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).

T. WALLAND	5/2/2026	
Inventor's Signature	Date	
Mailik BULUSU		
Printed Name in English	Printed Name in Native Language (if other than English)	

PATENT	ASSIGNMENT

MS Docket No.: 408081-US-NP

		AHMED ("ASSIGNOR")			
		ect matter ("INVENTIO			
		MWARE UPDATE PATC			
الساة الساد	will be filed.	ASSICNOR hereby			
	ASSIGNEE'S legal representative. Microsoft Technology Licensing. LLC, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S				
	FECAL REPRESEN	TATIVES), to insert here			
		and given Applicati			
		ffice US - United Sta			
		ICATION's Application	No., filing date, an	id Office,	
	when known;		•		
		14, 2020 and was give			
	16/874,276 by t	ne following Office "US	SPTO.";		
patents deriv for the Uni DERIVATIVES ASSIGN REPRESENTAL	red therefrom, sud ted States, its ")): VOR hereby TIVES to insert t	he Application No.,	cations, in whole or foreign countries requests, ASSIG filing date, and (in part, in and ("APPLICATION NEE'S LEGAL	
		ATION DERIVATIVES after	er they are known;		
Application N	lo.	Filing Date	Office		

************			į	;	
			i	;	
			•	:	

Page 1 of 2

PATENT REEL: 054394 FRAME: 0636

MS Docket No.: 408081-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).

	Muhray Alined	11/12/2020	
	Inventor's Signature	Date	
;	Muhammad Ashfaq AHMED		
	Printed Name in English	Printed Name in Native Langu (if other than English)	iage

Page 2 of 2

PATENT REEL: 054394 FRAME: 0637

RECORDED: 11/17/2020