505776147 11/15/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5822966

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BRYAN R JEFFREY	11/12/2019
CRAIG GORDON LOCKWOOD	11/12/2019
REEVES HOPPE BRIGGS	11/12/2019

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:	16674699

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:	407464-US-NP 1777.D87US1
NAME OF SUBMITTER:	JANINE HEITLAND
SIGNATURE:	/Janine Heitland/
DATE SIGNED:	11/15/2019

Total Attachments: 7

505776147

source=1777D87US1_Assignment#page1.tif source=1777D87US1_Assignment#page2.tif source=1777D87US1_Assignment#page3.tif source=1777D87US1_Assignment#page4.tif source=1777D87US1_Assignment#page5.tif

> PATENT REEL: 051020 FRAME: 0621

source=1777D87US1_Assignment#page6.tif source=1777D87US1_Assignment#page7.tif

> PATENT REEL: 051020 FRAME: 0622

RECORDATION FORM COVER SHEET PATENTS ONLY

Attv Ref/Docket No.: 407464-US-NP (1777.D87US1) Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: Microsoft Technology Licensing, LLC Bryan R. Jeffrey, Craig Gordon Lockwood, Reeves Street Address: One Microsoft Wav Hoppe Briggs Additional name(s) of conveying party(ies) attached? City: Redmond State: WA Zip: <u>98052</u> Country: United States of America []Yes [X]No Additional name(s) & address(es) attached? []Yes [X]No 3. Nature of conveyance: [] Merger [X] Assignment [] Security Agreement [] Change of Name [] Other Execution Date: November 12, 2019, November 12, 2019, November 12, 2019 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) Serial No. 16/674,699 Additional numbers attached? []Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):\$ 0.00 Name: Fred Nicholson [[Enclosed [Authorized to be charged to deposit account 19-Address: 0743 Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743 Minneapolis, Minnesota 55402 DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

/Fred Nicholson/

Signature

Total number of pages including cover sheet: 7

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks Mail Stop Assignment Recordation Services P.O. Box 1450 Alexandria, VA 22313-1450

Fred Nicholson/Reg. No. 72,284

Name of Person Signing

PATENT REEL: 051020 FRAME: 0623

November 15, 2019

Date

***		***	***	••••		***		w				•••					•	•••		÷	•••	÷			***		::::				• • •	***	œ	***					•••		00			፨		:::			•												***		•	œ	***			×	•		÷	:::	***	w			∾						÷	œ		•	::::			
	***	***	***	***	***	***	х.	XV						•	**				8				***	: 1		**					311	٧.								:::												3			***												***														: 3				×				'n	÷
							₹:	. 10		w	23	n	: : 1	ж.		Ŧì	Э.	•	.,	×	•			-33	. `		3		·F			73				22		7.7			٠.	- 23		1	١ì	81		٠,	1.2	N				у.	i e	34	53	1	9.	1		×	١,		3	,,,			ж.	11.	13		٠.	23		1.		3 2	٠.	Ŧ		*	31	ъ.	Ç,	Ŧ	3.1	£Χ	-37	
			w			***	٠.		м.	3.	**	• •		Х.	w	Τ.						:::			w	!!!)	N.	``		₹.	ж.		ъ.		11	×		Y: I		٠.,	м	×		٠.				×			N	Э.		٠.	U.			ж.	٠.			Α.	• •	: : :	88			w			1.3		3.1				×:	•		:8:	×				٠,	х.		***		
			333	***		***			**:	٠.												• • • •	:::					•		:::	• • •												:::	• • •				Τ.		**					•			• • •	• • •		• • •	•		• • •			• • •		***		•	:::		•			••••		***		•••		***						***	
																																											•												***			***			***			***			***					•		***			***											***		-
		x.			М,													×	×	33		ĸ.	•		Ċλ	٠'n			555												88			×			***	8							***							***							***		99	***					٠.				***			w	×					1
		Τ.		¥.1		3.7	30		T	. 7	13	. 3	7	т.	Э.			. 4	м		ĸ.		ж.		- 1	8	33	v			2.1	13	х:			ďΣ	18		žΧ	-7	÷	3.	3.		٧.			٩.	٠.	. 1		-83	13	1.1	ı.	××	Y.		11	Α.	13		2.3	133	3	X	13	3.1		3			3:1	•		. 3	3	31					e,	•	1	33	3	· e	1	1
	м.	٧.									х.	•		٠.	٠.		٠.	×	٠.	х.	*:		٠.	٠.,	×	w					×	Α.		х.	٠.	•		٠.٠		×.		×	х.		×	٨.	Х	×,		۸	×		G.	х.	ĸ.	×	w		х.,				.,					• •	333				٠,						œ.		٠.		×		٠.		11.			8
***			***	***															**			***			• • •										•					•			•••	::::											***			***					٠.				٠			***				÷÷			:::				•••									
			***					***		***	***					***			w			:::		***	***			***		***				***							×		::::	88	×		***		**		**	×			***			***	***		**:			99							93	***		₩			99		***		₩			88				99		
				. 1	•			N.	• ``	×	*	•		:33		: 3	₹:1	٠.	r	ĽΫ	٠.	•••	**	· .	```	ъ.		1			2.5	12:			**	• • • •	*>	`	٠,	c v		· k	٠,٠	٠.	٠,	٧.			Ü		×.	١.		**			ж:			٠,	₩.	. 2	•	• •	. 3	"	١.	•		``	**	:χ	٠.	٠.	300		÷		×	٠.	3%		×				::::			
		10	ж.		•	r:	: 1	*:1	: 3	. •	1	a٠		313	٠.	: 1		٧.		33	8.1	***		: 43	ж.	33	4:		M.		.₽		: 23	×	×	. 4	. 2	ж.	2:	31	×	13	1.	***	×	١.	X:	8	ĸ		٧.	٠,		٠.	۲.		М.			٠.	×.	•	w	38	ĸ			*			- 4	٠.		м.				w	23		11		۲.						***	ø
***		w	ĸ.	ж	ж.	ĸ.	::3		ж	ж	:::	з.:		ш.	w	:::		×	×			33	نند	X.	œ	×	3.:	æ.		٠.	æ	Ċ.	333	×	×	. 3		а	361	CΒ	Ċ,	ŧs	ж.	٠::		١.	З.	ĸ	O	X.	×	æ	Ċ	3::		ďΝ	žΧ	ж.	Αč	સંદ		X.	w	ж		٠.		×	33.		w	æ.	×.	8				٠.							**			₩	***	

3	will be	filed.	ASSIGNOR	hereby	authoriz	es, and	requests.
			representat				
	LLC, One	Microsol	ft Way, Redi	nond, Wa	ishington	98052 (/	\SSIGNEE'S
	LEGAL P	EPRESEN	TATIVES), t	o insert	here in	parenthe	eses (filed
	on		and gi	ven Appli	cation No	·	by
	the foll	owing C	Office) this
	APPLICA	TION's Ap	plication No	o., filing d	late, and (Office, wh	en known;

was filed on <u>November 5, 2019</u> and was given Application No 16/674,699 by the following Office "US Patent 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

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).

	۲.	À.		٠.	×		***	``\						٤٠		À
		. X	 	٠.	1								į	•	v	
										***	•••					
1	•			×.	×	w	٠,		Ċ.		· sv	**	Ħ.		×	**
: (9		11	٧.,	Υ.	. 0		33	w	3.8	Δ¥.	и.	KK.	1.	×

11/12/2019

Date

Bryan R. Jeffrey

Printed Name in English

Printed Name in Native Language

(if other than English)

I Craig Gordon Lockwood joint inventor of subject matte application entitled "FALSE PODETECTION", which:	r ("INVENTION") disclosed	·
ASSIGNEE'S legal in LLC, One Microsoft LEGAL REPRESENT on the following O APPLICATION's App	ASSIGNOR hereby authorepresentative, Microsoft Way, Redmond, Washing ATIVES), to insert here and given Application office blication No., filing date, and makes give following Office "US Pates	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No
behalf of itself and its successors of acquiring, the entire and exertionity, in the INVENTION and to derived therefrom, such as contunited States, its territories, and ASSIGNOR hereby authorito insert the Application No., f	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o inuing applications, in wh all foreign countries ("API zes, and requests, ASSIGN iling date, and Office into	terest, including the right of other applications and patents nole or in part, in and for the PLICATION DERIVATIVES")); EE'S LEGAL REPRESENTATIVES
APPLICATION DERIVATIVES after Application No.	Filing Date	Office

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	
Craig Gordon Lockwood	
Printed Name in English	Printed Name in Native Language
	(if other than English)

inventor of	subject matter (" entitled " <u>FALSE PO</u>	INVENTION") disclosed a	al inventor or an original joint and/or claimed in a patent LECTRONIC TOKEN FORGERY
	ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESENT on the following O	ASSIGNOR hereby authorepresentative, Microsoft tway, Redmond, Washing TATIVES), to insert here and given Application ffice	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed Noby
	16/674,699 by the	nber 5, 2019 and was give e following Office " <u>US Pate</u>	
behalf of itse of acquiring priority, in the derived there United States ASSIG to insert the	elf and its successor, the entire and ex- the entire and ex- ne INVENTION and the efrom, such as con- s, its territories, and NOR hereby authori	s and assigns ("ASSIGNEE") clusive rights, title and in he APPLICATION (and all o tinuing applications, in wh I all foreign countries ("API zes, and requests, ASSIGN iling date, and Office into	I limited liability company, on is entitled to, and is desirous iterest, including the right of other applications and patents nole or in part, in and for the PLICATION DERIVATIVES")); SEE'S LEGAL REPRESENTATIVES the following table for any
Application		Filing Date	Office

MS Docket No.: 407464-US-NP

RECORDED: 11/15/2019

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).

Q.L.	11/12/2019
Inventor's Signature	Date
Reeves Hoppe Briggs	
Printed Name in English	Printed Name in Native Language
	(if other than English)