505412231 04/04/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5459021

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RUSSELL ANDREW PENAR	04/03/2019
AMER AREF HASSAN	04/04/2019

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:	16375599

CORRESPONDENCE DATA

Fax Number: (612)339-3061

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: 6123736900

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:	1777.C11US1
NAME OF SUBMITTER:	FARAH O'SULLIVAN
SIGNATURE:	/Farah O'Sullivan/
DATE SIGNED:	04/04/2019

Total Attachments: 4

source=SIGNED_Assn#page1.tif source=SIGNED_Assn#page2.tif source=SIGNED_Assn#page3.tif source=SIGNED_Assn#page4.tif

PATENT 505412231 REEL: 048798 FRAME: 0265

MS Docket No.: 405785-US-NP

l Russ	ell Andrew Penar ("/	ASSIGNOR") am the oi	riginal inventor or an original joir	nt.
	•		ed and/or claimed in a pater <u>ION AUTHENTICATION</u> ", which:	II.
	ASSIGNEE'S legal in LLC, One Microsoft LEGAL REPRESENT on April 4, 2019 the following O	representative, Micro t Way, Redmond, Was ATIVES), to insert Iand given Applica fficeU.S. Patent &	authorizes, and requests, isoft Technology Licensing, shington 98052 (ASSIGNEE'S here in parentheses (filed ation No. 16/375,599 by Trademark Office this ate, and Office, when known;	
		and was given A Patent Office	pplication No by the <u>e "</u> ;	
behalf of itse of acquiring priority, in the derived ther	elf and its successor , the entire and ex ne INVENTION and t efrom, such as con	s and assigns ("ASSIG clusive rights, title a he APPLICATION (and tinuing applications,	ngton limited liability company, on NEE"), is entitled to, and is desiround interest, including the right of all other applications and paten in whole or in part, in and for the ("APPLICATION DERIVATIVES"));	us of ts
to insert the		iling date, and Offic	SSIGNEE'S LEGAL REPRESENTATIVE se into the following table for a	
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).

212	4/3)19
Inventor's Signature	Date'
Russell Andrew Penar	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Amer Aref Hassan ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DATA STORE FOR COMMUNICATION AUTHENTICATION", which:

\times	will	be	filed.	ASSI	GNOR	hereb	y auth	orize	s, ar	nd i	requ	ests,
	ASSI	GNE	E'S lega	ıl repre	esentat	tive, Mi	crosoft	Tech	nolo	gy L	icen	sing,
	LLC,	One	Micros	oft Wa	y, Redi	mond, \	Washing	gton 9	98052	2 (AS	SIGN	NEE'S
							rt here	-				
	on _	'b''	1, 201		and gi	ven App	olication	ı No.	10/2	,, ,,,		by
	the	foll	owing	Office	<u>U.S.</u>	Patent	& Trade	emark	Offic	ce)	this
	APPL	_ICA	ΓΙΟΝ's /	Applica	tion No	o., filing	g date, a	ınd O	ffice,	whe	n kn	own;
	was	filed	on		and wa	as givei	1 Applic	ation	No_	b	y the	e
	follo	wing	Office	"	Pa	atent O	ffice_";					

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

RECORDED: 04/04/2019

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).

Ams Hus	4/4/2019
Inventor's Signature	Date
Amer Aref Hassan	
Printed Name in English	Printed Name in Native Language
	(if other than English)