504590924 10/12/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

EPAS ID: PAT4637636

CONVEYING PARTY DATA

Name	Execution Date
MARK RUSSINOVICH	06/30/2017
MANUEL COSTA	07/11/2017
MATTHEW KERNER	10/10/2017
THOMAS MOSCIBRODA	07/25/2017

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:	15638180

CORRESPONDENCE DATA

Fax Number: (425)633-2422

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: 4256332388

Email: docketing@Chin-IP.com

Correspondent Name: CHIN IP, PLLC
Address Line 1: P.O. BOX 6368

Address Line 4: BELLEVUE, WASHINGTON 98008

ATTORNEY DOCKET NUMBER:	401405-US-NP
NAME OF SUBMITTER:	DAVIN CHIN
SIGNATURE:	/Davin Chin/
DATE SIGNED:	10/12/2017

Total Attachments: 8

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PATENT 504590924 REEL: 043849 FRAME: 0821

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PATENT REEL: 043849 FRAME: 0822

PATENT ASSIGNMENT

MS Docket No.: 401405-US-NP

inventor of subject matter application entitled "ESTA NETWORK" ("APPLICATION"), will be filed. ASSIGNEE'S legal LLC, One Microso LEGAL REPRESEN on the following C	("INVENTION") disclosed BLISHMENT OF CO which: ASSIGNOR hereby aut representative, Microsof ft Way, Redmond, Washir TATIVES), to insert her and given Application	ngton 98052 (ASSIGNEE'S re in parentheses (filed on No
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	29, 2017 and was given A	
<u>15/638,180</u> by th	e following Office " <u>U.S. Pa</u>	atent and Trademark
Office";		
		and the state of t
Microsoft Technology Lic behalf of itself and its successor of acquiring, the entire and ex priority, in the INVENTION and the derived therefrom, such as con United States, its territories, and	s and assigns ("ASSIGNEE clusive rights, title and i the APPLICATION (and all tinuing applications, in w	interest, including the right of other applications and patents whole or in part, in and for the
ASSIGNOR hereby authori	zes and requests ASSIC	NEE'S LEGAL REPRESENTATIVES
to insert the Application No., f		
APPLICATION DERIVATIVES after		to the following table for any
Application No.	Filing Date	Office
Application No.	Timiy Date	Office

MS Docket No.: 401405-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"));

Mhl	6/30/12
Inventor's Signature	Date /
Mark RUSSINOVICH	
Printed Name in English	Printed Name in Native Language
	(if other than English)

•			
PATENT AS	SSIGNMENT	MS	S Docket No.: <u>401405-US-NP</u>
inventor of application	subject matter ("	INVENTION") disclosed a BLISHMENT OF CON	inventor or an original joint nd/or claimed in a patent SORTIUM BLOCKCHAIN
	ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESENT on the following O	ASSIGNOR hereby authorepresentative, Microsoft to Way, Redmond, Washingto TATIVES), to insert here and given Application ffice plication No., filing date, ar	Technology Licensing, on 98052 (ASSIGNEE'S in parentheses (filed Noby
		<u>19, 2017</u> and was given Ap e following Office " <u>U.S. Pate</u>	
behalf of itse of acquiring, priority, in th derived there	If and its successors the entire and exice INVENTION and terror, such as conf	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o cinuing applications, in wh	limited liability company, on is entitled to, and is desirous terest, including the right of ther applications and patents ole or in part, in and for the PLICATION DERIVATIVES"));
to insert the	-	iling date, and Office into	EE'S LEGAL REPRESENTATIVES the following table for any
Application		Filing Date	Office

Page 1 of 2

MS Docket No.: 401405-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"));

Manuel COSTA	11 July 2017 Date
Printed Name in English	Printed Name in Native Language (if other than English)

inventor of application	subject matter	("INVENTION") disclo	riginal inventor or an original joint sed and/or claimed in a patent CONSORTIUM BLOCKCHAIN
	ASSIGNEE'S legal LLC, One Microso LEGAL REPRESEN on the following APPLICATION's A was filed on June	representative, Micro oft Way, Redmond, Wa ITATIVES), to insert and given Applic Office pplication No., filing da	
	15/638,180 by the Office";	ne following Office <u>"U.</u>	5. Patent and Trademark
behalf of itse of acquiring, priority, in th derived there United States ASSIGN to insert the	If and its successo the entire and exe invention and ifrom, such as cor, its territories, and its territories, and its territories, and its polication No., DERIVATIVES after	rs and assigns ("ASSIGI cclusive rights, title a the APPLICATION (and atinuing applications, d all foreign countries tizes, and requests, AS filing date, and Office	ngton limited liability company, on NEE"), is entitled to, and is desirous and interest, including the right of all other applications and patents in whole or in part, in and for the ("APPLICATION DERIVATIVES")); SIGNEE'S LEGAL REPRESENTATIVES into the following table for any
Application I	No.	Filing Date	Office
<u> </u>			
		-	

Page 1 of 2

MS Docket No.: <u>401405-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"));

mm	10/10/17
Inventor's Signature	Date
Matthew KERNER	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

I Thomas MOSCIBRODA ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "ESTABLISHMENT OF CONSORTIUM BLOCKCHAIN NETWORK" ("APPLICATION"), which:

MS Docket No.: <u>401405-US-NP</u>

will	be	filed.	ASSIGNOR	hereby	authoriz	es, and	requ	uests,
ASSI	GNE	E'S legal	representat	ive, Micr	osoft Ted	hnology	Licer	ısing,
LLC,	Óne	Microso	ft Way, Redr	nond, Wa	shington	98052 (ASSIG	NEE'S
LEGA	AL R	EPRESEN	TATIVES), to	o insert	here in	parenth	eses	(filed
on_	····	····	and giv	en Appli	cation No	+·	•	by
the	follo	owing (Office					this
APPL	ICAT	TON's Ap	plication No	., filing d	late, and (Office, w	nen kr	nown;

was filed on <u>June 29, 2017</u> and was given Application No <u>15/638,180</u> by the following Office "<u>U.S. Patent and Trademark Office</u>";

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	
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Page 1 of 2

MS Docket No.: 401405-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"));

I Rosinade	7125/2017
Inventor's Signature	Date
Thomas MOSCIBRODA	
Printed Name in English	Printed Name in Native Language (if other than English)