PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5533792

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANNA BACHER	05/20/2019
ERICH GSTREIN	05/20/2019

RECEIVING PARTY DATA

Name:	JAROONA CHAIN OU	
Street Address:	AHTRI TN 12-200	
Internal Address:	KESKLINNA LINNAOSA,HARJU MAAKOND	
City:	TALLINN	
State/Country:	ESTONIA	
Postal Code:	10151	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16418475

CORRESPONDENCE DATA

Fax Number: (866)369-7391

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: 616-797-1000

Email: JJOVANOVIC@WATSON-IP.COM **Correspondent Name:** THE WATSON IP GROUP, PLC

Address Line 1: 3133 HIGHLAND DRIVE

Address Line 2: SUITE 200

Address Line 4: HUDSONVILLE, MICHIGAN 49426

ATTORNEY DOCKET NUMBER:	JOO181676	
NAME OF SUBMITTER:	JOVAN N. JOVANOVIC	
SIGNATURE:	/s Jovan N. Jovanovic/	
DATE SIGNED:	05/21/2019	

Total Attachments: 2

source=AssignAnnaBacher#page1.tif source=AssignErichGstrein#page1.tif

PATENT 505486988 REEL: 049245 FRAME: 0058

WIPG DOCKET NO.: JOO181676

PATENT ASSIGNMENT

FOR VALUE RECEIVED, the receipt of which is hereby acknowledged, the following original, joint inventor (hereinafter called 'ASSIGNOR'): Anna Bacher hereby assigns, transfers and sets over to the following entity (hereinafter called 'ASSIGNEE'):

JAROONA CHAIN OÜ

Ahtri tn 12-200 Kesklinna linnaosa, Harju maakond 10151 Tallinn Estonia

all worldwide right, title and interest in and to the invention and improvements known as:

A method and system of distributed security nodes for protecting distributed ledgers against malicious attacks and enabling secure operations of networks of connected devices in real time

including any and all patent applications related thereto including, but not limited to all provisional, nonprovisional, divisional, continuation, continuation-in-part, substitute, reexamination, reissue and other applications which have been or shall be filed with the United States or elsewhere in the world, any patent rights which may be granted based thereon, including all rights of priority created by the above patent application under any treaty, convention or law relating thereto.

- The ASSIGNOR agrees without charge to said ASSIGNEE but at ASSIGNEE's expense (a) to execute (i) all necessary papers to be used in connection with this application and any additional, continuing, or divisional applications, as the ASSIGNEE may deem necessary or expedient, (ii) all papers in connection with any interference or other legal or quasilegal proceedings relating to this application or any additional, continuing, or divisional application thereof, (iii) all papers and documents which may be necessary in connection with the preparation and filing of any foreign applications or with making claims to priority rights granted under the provisions of the International Convention for Protection of Industrial Property or similar agreements; (b) to cooperate with ASSIGNEE in every way possible in obtaining evidence and going forward in any such proceedings; and (c) to perform all other affirmative acts which may be necessary or desirable to obtain a grant of a valid patent for said invention in any country throughout the world.
- ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and the appropriate officials in any other country, to issue any and all Letters Patent that may be granted upon any patent application or any additional, continuing or divisional applications thereof to the ASSIGNEE, its successors and assigns.
- ASSIGNOR hereby covenants and warrants that they have full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.
- ASSIGNOR hereby grants to the law firm of THE WATSON IP GROUP, PLC, authority and power to insert on this instrument any further identification which may be necessary or desirable for purposes of recordation in the United States Patent Office or the Patent Office of any foreign country.

ASSIGNOR:

Date: 20.05-20/9

Signature of Inventor:_

Mada C Name of Inventor:

FOR VALUE RECEIVED, the receipt of which is hereby acknowledged, the following original, joint inventor (hereinafter called 'ASSIGNOR'): <u>Erich Gstrein</u> hereby assigns, transfers and sets over to the following entity (hereinafter called 'ASSIGNEE'):

JAROONA CHAIN OÜ

Ahtri tn 12-200 Kesklinna linnaosa,Harju maakond 10151 Tallinn Estonia

all worldwide right, title and interest in and to the invention and improvements known as:

A method and system of distributed security nodes for protecting distributed ledgers against malicious attacks and enabling secure operations of networks of connected devices in real time

including any and all patent applications related thereto including, but not limited to all provisional, non-provisional, divisional, continuation, continuation-in-part, substitute, reexamination, reissue and other applications which have been or shall be filed with the United States or elsewhere in the world, any patent rights which may be granted based thereon, including all rights of priority created by the above patent application under any treaty, convention or law relating thereto.

- (1) The ASSIGNOR agrees without charge to said ASSIGNEE but at ASSIGNEE's expense (a) to execute (i) all necessary papers to be used in connection with this application and any additional, continuing, or divisional applications, as the ASSIGNEE may deem necessary or expedient, (ii) all papers in connection with any interference or other legal or quasilegal proceedings relating to this application or any additional, continuing, or divisional application thereof, (iii) all papers and documents which may be necessary in connection with the preparation and filing of any foreign applications or with making claims to priority rights granted under the provisions of the International Convention for Protection of Industrial Property or similar agreements; (b) to cooperate with ASSIGNEE in every way possible in obtaining evidence and going forward in any such proceedings; and (c) to perform all other affirmative acts which may be necessary or desirable to obtain a grant of a valid patent for said invention in any country throughout the world.
- (2) ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and the appropriate officials in any other country, to issue any and all Letters Patent that may be granted upon any patent application or any additional, continuing or divisional applications thereof to the ASSIGNEE, its successors and assigns.
- (3) ASSIGNOR hereby covenants and warrants that they have full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.
- (4) ASSIGNOR hereby grants to the law firm of THE WATSON IP GROUP, PLC, authority and power to insert on this instrument any further identification which may be necessary or desirable for purposes of recordation in the United States Patent Office or the Patent Office of any foreign country.

ASSIGNOR:

Date: 20. S. 2019

Signature of Inventor:

Name of Inventor:

Frich Catrein

PATENT REEL: 049245 FRAME: 0060

RECORDED: 05/21/2019