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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WENTING LI	11/13/2017
GHASSAN KARAME	11/10/2017
LUCAS DAVI	12/18/2017

RECEIVING PARTY DATA

Name:	NEC EUROPE LTD.	
Street Address:	KURFUERSTEN-ANLAGE 36	
City:	HEIDELBERG	
State/Country:	GERMANY	
Postal Code:	69115	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15897170

CORRESPONDENCE DATA

Fax Number: (312)616-5700

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: 3126165600

Email: assignments@leydig.com LEYDIG, VOIT & MAYER, LTD. **Correspondent Name:**

Address Line 1: TWO PRUDENTIAL PLAZA, SUITE 4900

Address Line 2: 180 NORTH STETSON AVENUE CHICAGO, ILLINOIS 606016731 Address Line 4:

ATTORNEY DOCKET NUMBER:	816192	
NAME OF SUBMITTER:	BRENT A. CHATHAM	
SIGNATURE:	/Brent A. Chatham/	
DATE SIGNED:	02/28/2018	

Total Attachments: 4

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> **PATENT** REEL: 045058 FRAME: 0427 504796777

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PATENT REEL: 045058 FRAME: 0428

Attorney Docket No. 816113 (Client Ref. NLE-820-17-US)

ASSIGNMENT

I, Wenting Li, residing at Rohrbacherstrasse 25; 69115 Heidelberg; GERMANY; and

Ghassan Karame, residing at Ringstrasse 3; 69115 Heidelberg; GERMANY; and

I, Lucas Davi, residing at Universitaet Duisburg-Essen; Universitaetsstrasse 2; 45141 Essen; GERMANY;

and each of us, if more than one person is identified above, have invented and own a certain invention entitled:

METHOD AND SYSTEM FOR SECURING SMART CONTRACTS IN BLOCKCHAINS described in the patent application bearing the above Attorney Docket No. and title and

WHEREAS,

NEC Europe Ltd.

having an address at Kurfuersten-Anlage 36; 69115 Heidelberg; GERMANY, hereinafter referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the above patent application.

Now, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I/we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns my/our full and exclusive rights in and to the invention in the U.S. and every foreign country and my/our entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and I/we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

Page 1 of 2

UPON SAID CONSIDERATION, I/we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

I/WE DO HEREBY COVENANT and agree with the Assignee that I/we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that I/we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

Date 13 Nov 2017	_ Late was
	Wenting Li, Inventor
Date <u>10/41/2013</u>	Chasse Va
	Ghassan Karame, Inventor
Date	
	Lucas Davi, Inventor

Attorney Docket No. 816113 (Client Ref. NLE-820-17-US)

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and each of us, if more than one person is identified above, have invented and own a certain

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right, title, and interest in and under the invention described in the above patent application.

Now, Therefore, for good and valuable consideration, the receipt and sufficiency

of which are hereby acknowledged, I/we assign and transfer to the Assignee and the

Assignee's legal representatives, successors and assigns my/our full and exclusive rights in

and to the invention in the U.S. and every foreign country and my/our entire right, title, and

interest in and to the patent application and other such applications (e.g., provisional

applications, non-provisional applications, continuations, continuations-in-part, divisionals,

reissues, reexaminations, National phase applications, including petty patent applications, and

utility model applications) that may be filed in the United States and every foreign country on

the invention, and the patents, extensions, or derivations thereof, both foreign and domestic,

that may issue thereon, and I/we do hereby authorize and request the Commissioner of

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Page 1 of 2

PATENT REEL: 045058 FRAME: 0431 UPON SAID CONSIDERATION, I/we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

I/WE DO HEREBY COVENANT and agree with the Assignee that I/we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that I/we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

Date	
	Wenting Li, Inventor
Date	
	Ghassan Karame, Inventor
Date 18.12.2017	Jueas Dans
	Lucas Davi, Inventor