PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SILVIA BARTOLUCCI	03/14/2018
PAULINE BERNAT	03/14/2018

RECEIVING PARTY DATA

Name:	NCHAIN HOLDING LTD
Street Address:	44 CHURCH STREET
City:	ST. JOHNS
State/Country:	ANTIGUA AND BARBUDA

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16979145

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	0108792-034US0
NAME OF SUBMITTER:	SONIA TOYO
SIGNATURE:	/Sonia Toyo/
DATE SIGNED:	09/10/2020

Total Attachments: 5

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PATENT 506244422 REEL: 053730 FRAME: 0822

WHEREAS, the INVENTORS listed below with corresponding citizenship and mailing address.

- Silvia Bartolucci, a citizen of Italy, and having a mailing address of Silvia Bartolucci, c/o UDL, Churchill House, Churchill Way, Cardiff, CF10 2HH, UNITED KINGDOM
- Pauline Bernat, a citizen of France, and having a mailing address of Pauline Bernat, c/o UDL, Churchili House, Churchili Way, Cardiff, CF10 2HH, UNITED KINGDOM

have invented certain new and useful improvements in

"Computer implemented system and method" as described and set forth in the GB Patent Application No. 1803706.9, filed on Mar 8,2018 (Company Reference No. WP0465),

herein referred to as the "PATENT APPLICATION,"

AND WHEREAS, nChain Holdings Ltd., hereinafter referred to as the "COMPANY",a corporation of Antigua and Barbuda, whose address is 44 Church Street, St. Johns, Antigua, is desirous of acquiring or confirming its acquisition of all rights, title and interests in and to any and all rights arising out of the PATENT APPLICATION:

NOW, THEREFORE TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that the INVENTORS, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said COMPANY, its successors and assigns, the following (collectively, the "RIGHTS"):

- 1. All rights, title and interest in and to the PATENT APPLICATION:
- All rights, title and interest in and to all patent applications filed throughout the world (including any international PCT
 patent application and any national stage patent application or other patent application filed in a specific country) claiming
 priority rights from the PATENT APPLICATION (collectively, the "RELATED APPLICATIONS");
- 3. All rights, title and interest with respect to any direct or indirect divisional, continuation, continuation in-part, reissue, reexamination or other patent application or patent claiming priority rights from the PATENT APPLICATION and/or the RELATED APPLICATIONS;
- 4. The right to claim priority rights deriving from the PATENT APPLICATION and/or the RELATED APPLICATIONS:
- 5. All rights, title and interest in and to any inventions claimed or described in the PATENT APPLICATION or RELATED APPLICATIONS, in any form or embodiment thereof (collectively, "the INVENTIONS");
- 6. All rights, title and interest in and to all patent applications or other governmental grants or issuances that may be granted throughout the world with respect to the INVENTIONS:
- 7. All causes of action and remedies related to any or all of the RIGHTS (including, without limitation, the right to sue for past, present or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and
- 8. Any and all other rights and interests arising out of, or regarding, or in relation to the RIGHTS.

Furthermore, the INVENTORS do hereby agree to sign all documents and do such additional acts that are deemed necessary, in the sole opinion of the COMPANY, to perfect enjoyment of the RIGHTS, conduct proceedings regarding the RIGHTS (including any litigation or interference proceedings), or perfect or defend title to the RIGHTS in the COMPANY, all without further compensation. The INVENTORS do hereby request the respective patent or government agency in each jurisdiction to issue any and all patents, certificates of invention, utility models, or other governmental grants or issuences that may be granted upon any of the RIGHTS in the name of the COMPANY, as the assignee to the entire interest therein.

The terms and conditions of this Assignment will inure to the benefit of the COMPANY, its successors, legal representatives, and assigns and will be binding upon the INVENTORS.

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By:	Dinin	Date: Mar 14, 2018
	Jimmy Nguyen nChain Holdings Ltd.	

ATTESTATION

The undersigned witnessed the signature of Jimmy Nguyen to this document and makes the following statements:

- 1. Jimmy Nguyen is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on Mar 14, 2018, to execute this document.
- 2. Jimmy Nguyen subscribed to this document.

I declare unde	penalty of perjury that the foregoing is true and correct.
Ву:	A.
Print name:	Anna Druzga

By:	This Extra	Date: Mar 14, 2018
	Silvia Bartolucci	

ATTESTATION

The undersigned witnessed the signature of Silvia Bartolucci to this document and makes the following statements:

- 1. Silvia Bartolucci is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on Mar 14, 2018, to execute this document.
- 2 Silvia Bartolucci subscribed to this document.

I declare under p	enalty of perjury that the foregoing is true and correct.
By:	

Print name:	Anna Druzga

RECORDED: 09/10/2020

By:	PBETTAL	Dale: Mar 14, 2018
Pauline B	emat	
	ATTEST	TATION
The undersigned	f witnessed the signature of Pauline Bernat to t	his document and makes the following statements:
1. Pauline		o me on the basis of satisfactory evidence) and appeared
2. Pauline	Bernat subscribed to this document.	
l declare under p	enalty of perjury that the foregoing is true and	correct.
Ву:		
Print name:	Anna Druzga	

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PATENT REEL: 053730 FRAME: 0827