504590116 10/11/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTOPHER RICHARD JACQUES DE KADT	10/02/2017
TIMOTHY WILLIAM BRAY	09/27/2017
TREVOR SIMON ROGER DYCK	09/27/2017
MATTHEW JOHN CAMPAGNA	09/27/2017
ALLAN HENRY VERMEULEN	09/27/2017

RECEIVING PARTY DATA

Name:	AMAZON TECHNOLOGIES, INC.	
Street Address:	PO BOX 81226	
City:	SEATTLE	
State/Country:	WASHINGTON	
Postal Code:	98108-1226	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15283017

CORRESPONDENCE DATA

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Correspondent Name: DAVIS WRIGHT TREMAINE LLP - ATI Address Line 1: 1201 THIRD AVENUE, SUITE 2200 SEATTLE, WASHINGTON 98101-3045

ATTORNEY DOCKET NUMBER:	0097749-721US0
NAME OF SUBMITTER:	SUSUK LIM
SIGNATURE:	/Susuk Lim/
DATE SIGNED:	10/11/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT 504590116 REEL: 043842 FRAME: 0681

Total Attachments: 9

source=2017-10-04 P33645-US (0097749-721US0) Assignment and Declarations#page1.tif source=2017-10-04 P33645-US (0097749-721US0) Assignment and Declarations#page2.tif source=2017-10-04 P33645-US (0097749-721US0) Assignment and Declarations#page3.tif source=2017-10-04 P33645-US (0097749-721US0) Assignment and Declarations#page4.tif source=2017-10-04 P33645-US (0097749-721US0) Assignment and Declarations#page5.tif source=2017-10-04 P33645-US (0097749-721US0) Assignment and Declarations#page6.tif source=2017-10-04 P33645-US (0097749-721US0) Assignment and Declarations#page7.tif source=2017-10-04 P33645-US (0097749-721US0) Assignment and Declarations#page8.tif source=2017-10-04 P33645-US (0097749-721US0) Assignment and Declarations#page8.tif source=2017-10-04 P33645-US (0097749-721US0) Assignment and Declarations#page9.tif

U.S. Patent Appln. No. 15/283,017 Attorney Docket No. 0097749-721US0 Filing Date September 30, 2016 Client Docket No. P33645-US **PARTIES TO THE ASSIGNMENT** Assignor(s): CHRISTOPHER RICHARD JACQUES DE KADT 410 Terry Avenue North Seattle, WA 98109-5210 TIMOTHY WILLIAM BRAY 410 Terry Avenue North Seattle, WA 98109-5210 TREVOR SIMON ROGER DYCK 410 Terry Avenue North Seattle, WA 98109-5210 **MATTHEW JOHN CAMPAGNA** 410 Terry Avenue North Seattle, WA 98109-5210 ALLAN HENRY VERMEULEN 410 Terry Avenue North Seattle, WA 98109-5210 Assignee: Amazon Technologies, Inc. PO Box 81226 Seattle, WA 98108-1226 AGREEMENT WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "IMMUTABLE CRYPTOGRAPHICALLY SECURED LEDGER-BACKED DATABASES" (Invention) for which a non-provisional application for United States Letters Patent (Application): \square was filed on <u>September 30, 2016</u>, and accorded U.S. Application No. <u>15/283,017</u>; or will be filed concurrently with the submission of this executed PATENT ASSIGNMENT for recordation.

ASSIGNOR(S) hereby authorizes and requests ASSIGNEE'S legal representatives, of

U.S. Patent Appln. No. 15/283,017

Attorney Docket No. 0097749-721US0

Filing Date September 30, 2016

Client Docket No. P33645-US

Title of Invention: IMMUTABLE CRYPTOGRAPHICALLY SECURED LEDGER-BACKED DATABASES

Inventors: CHRISTOPHER RICHARD JACQUES DE KADT, TIMOTHY WILLIAM BRAY, TREVOR

SIMON ROGER DYCK. MATTHEW JOHN CAMPAGNA, and ALLAN HENRY VERMEULEN

Davis Wright Tremaine LLP, associated with Customer No. 113507, to insert in the header above

and here in parentheses (U.S. Patent Application No. 15/283,017, filed September 30, 2016) this

application's U.S. application number and filing date, when known.

WHEREAS, ASSIGNEE, a corporation of the State of Nevada, is desirous of acquiring the

entire right, title and interest in and to the Invention and in and to any letters patent that may

be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of

which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its

successors and assigns, the entire right, title and interest in and to said Invention and any

improvements thereto, said Application and any and all letters patent which may be granted for

said Invention in the United States of America and its territorial possessions and in any and all

foreign countries, and in any and all provisional, divisions, reissues, re-examinations and

continuations thereof, including the right to file foreign applications directly in the name of

ASSIGNEE and to claim priority rights deriving from said Application to which said foreign

applications are entitled by virtue of international convention, treaty or otherwise, said

Invention, Application and all letters patent on said Invention to be held and enjoyed by

ASSIGNEE and its successors and assigns for their use and benefit and of their successors and

assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had

this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request

the Commissioner of Patents and Trademarks, as well as all other applicable patent offices

throughout the world, to issue all letters patent on said Invention to ASSIGNEE. ASSIGNOR(S)

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REEL: 043842 FRAME: 0684

U.S. Patent Appln. No. 15/283,017

Attorney Docket No. 0097749-721US0

Filing Date September 30, 2016

Client Docket No. P33645-US

Title of Invention: IMMUTABLE CRYPTOGRAPHICALLY SECURED LEDGER-BACKED DATABASES

Inventors: CHRISTOPHER RICHARD JACQUES DE KADT, TIMOTHY WILLIAM BRAY, TREVOR SIMON ROGER DYCK. MATTHEW JOHN CAMPAGNA, and ALLAN HENRY VERMEULEN

agree to execute all instruments and documents required for the making and prosecution of

applications for United States and foreign letters patent on said Invention, for litigation

regarding said letters patent, or for the purpose of protecting title to said Invention or letters

patent therefor.

AND ASSIGNOR(S) DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its

successors, legal representatives, and assigns all claims for damages and all remedies arising out

of any violation of the rights assigned hereby that may have accrued prior to the date of

assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue

for, collect, and retain damages for past infringements of said letters patent before or after

issuance.

AND ASSIGNOR(S) DOES HEREBY covenant and agree that ASSIGNOR(S) will

communicate to ASSIGNEE, its successors, legal representatives and assigns, any facts known to

ASSIGNOR respecting the Invention or said Application, and testify in any legal proceeding, assist

in the preparation of any other patent property relating to the Application and the Invention or

any improvements made thereto, sign/execute all lawful papers, provide all requested

documents, execute and make all rightful oaths and/or declarations in connection with the

Application and the Invention including any improvements made thereto, any patent

applications filed therefrom, and any continuing application filed from any of the

aforementioned applications, and generally do everything possible to aid ASSIGNEE, its

successors, legal representatives and assigns, to obtain and enforce proper patent protection for

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U.S. Patent Appln. No. <u>15/283,017</u>

Attorney Docket No. <u>0097749-721US0</u>

Filing Date September 30, 2016

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Title of Invention: IMMUTABLE CRYPTOGRAPHICALLY SECURED LEDGER-BACKED DATABASES

Inventors: CHRISTOPHER RICHARD JACQUES DE KADT, TIMOTHY WILLIAM BRAY, TREVOR SIMON ROGER DYCK, MATTHEW JOHN CAMPAGNA, and ALLAN HENRY VERMEULEN

the Invention in all countries. These provisions are binding upon ASSIGNOR's heirs, legal representatives, administrators, and assigns.

Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/283,017 Attorney Docket No. 0097749-721US0 Filing Date September 30, 2016 Client Docket No. P33645-US Title of Invention: IMMUTABLE CRYPTOGRAPHICALLY SECURED LEDGER-BACKED DATABASES Inventors: CHRISTOPHER RICHARD JACQUES DE KADT, TIMOTHY WILLIAM BRAY, TREVOR SIMON ROGER DYCK, MATTHEW JOHN CAMPAGNA, and ALLAN HENRY VERMEULEN **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 15/283,017, filed on September 30, 2016; or PCT International Application number _______ filed on ______. The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed Invention in the application. I have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both. ristopher Richard Jacques de kadt/ **CHRISTOPHER RICHARD JACQUES DE KADT** October 2, 2017

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Attorney Docket No. 0097749-721US0 U.S. Patent Appln. No. 15/283,017 Filing Date September 30, 2016 Client Docket No. P33645-US Title of Invention: IMMUTABLE CRYPTOGRAPHICALLY SECURED LEDGER-BACKED DATABASES Inventors: CHRISTOPHER RICHARD JACQUES DE KADT, TIMOTHY WILLIAM BRAY, TREVOR SIMON ROGER DYCK, MATTHEW JOHN CAMPAGNA, and ALLAN HENRY VERMEULEN **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or \square United States Patent Application number 15/283,017, filed on September 30, 2016; or PCT International Application number filed on The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed Invention in the application. I have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both. TIMOTHY WILLIAM BRAY

September 27, 2017

Date

September 27, 2017

Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

Attorney Docket No. 0097749-721US0 U.S. Patent Appln. No. 15/283,017 Filing Date September 30, 2016 Client Docket No. P33645-US Title of Invention: IMMUTABLE CRYPTOGRAPHICALLY SECURED LEDGER-BACKED DATABASES Inventors: CHRISTOPHER RICHARD JACQUES DE KADT, TIMOTHY WILLIAM BRAY, TREVOR SIMON ROGER DYCK, MATTHEW JOHN CAMPAGNA, and ALLAN HENRY VERMEULEN **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 15/283,017, filed on September 30, 2016; or PCT International Application number _______ filed on ______. The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed Invention in the application. I have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both. TREVOR SIMON ROGER DYCK

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September 27, 2017

Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

Attorney Docket No. 0097749-721US0 U.S. Patent Appln. No. 15/283,017 Filing Date September 30, 2016 Client Docket No. P33645-US Title of Invention: IMMUTABLE CRYPTOGRAPHICALLY SECURED LEDGER-BACKED DATABASES Inventors: CHRISTOPHER RICHARD JACQUES DE KADT, TIMOTHY WILLIAM BRAY, TREVOR SIMON ROGER DYCK, MATTHEW JOHN CAMPAGNA, and ALLAN HENRY VERMEULEN **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 15/283,017, filed on September 30, 2016; or PCT International Application number _______ filed on ______. The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed Invention in the application. I have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both. **MATTHEW JOHN CAMPAGNA**

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September 27, 2017

RECORDED: 10/11/2017

Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/283,017 Attorney Docket No. 0097749-721US0 Filing Date September 30, 2016 Client Docket No. P33645-US Title of Invention: IMMUTABLE CRYPTOGRAPHICALLY SECURED LEDGER-BACKED DATABASES Inventors: CHRISTOPHER RICHARD JACQUES DE KADT, TIMOTHY WILLIAM BRAY, TREVOR SIMON ROGER DYCK, MATTHEW JOHN CAMPAGNA, and ALLAN HENRY VERMEULEN **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 15/283,017, filed on September 30, 2016; or PCT International Application number _______ filed on ______. The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed Invention in the application. I have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both. **ALLAN HENRY VERMEULEN**

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