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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT		
CONVEYING PARTY	DATA			
		Name	Execution Date	
RADIA JOY PERLMAI	N		08/05/2019	
CHARLES WILLIAM K	AUFMAN		08/05/2019	
RECEIVING PARTY D	ΔΤΑ			
Name:	EMC II	EMC IP HOLDING COMPANY LLC		
Street Address:	176 SC	176 SOUTH STREET		
City:	НОРК	HOPKINTON		
State/Country:	MASS,	MASSACHUSETTS		
Postal Code:	01748	01748		
Property Type Application Number:				
Application Number:		16530962		
CORRESPONDENCE Fax Number: <i>Correspondence will</i>	DATA be sent to if provided	16530962 o the e-mail address first; if that is unsucc d; if that is unsuccessful, it will be sent via paula.hardilek@chamberlainlaw.com PAULA HARDILEK 1200 SMITH STREET, 14TH FLOOR HOUSTON, TEXAS 77002		
CORRESPONDENCE Fax Number: <i>Correspondence will using a fax number, f</i> Email: Correspondent Name Address Line 1:	E DATA I be sent to if provideo e:	o the e-mail address first; if that is unsucc d; if that is unsuccessful, it will be sent via paula.hardilek@chamberlainlaw.com PAULA HARDILEK 1200 SMITH STREET, 14TH FLOOR HOUSTON, TEXAS 77002		
CORRESPONDENCE Fax Number: <i>Correspondence will using a fax number, i</i> Email: Correspondent Name Address Line 1: Address Line 4:	DATA be sent to if provided e: NUMBER:	o the e-mail address first; if that is unsucc d; if that is unsuccessful, it will be sent via paula.hardilek@chamberlainlaw.com PAULA HARDILEK 1200 SMITH STREET, 14TH FLOOR HOUSTON, TEXAS 77002		
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ASSIGNMENT

WHEREAS, we, Radia Joy Perlman and Charles William Kaufman have invented an invention comprising and/or embodying certain improvements or discoveries or both as described in an application for Letters Patent of the United States entitled *METHOD AND SYSTEM FOR A SIGNED DOCUMENT VALIDITY SERVICE* the specification of which:

- [X] is being executed on even date herewith and is about to be filed in the United States Patent Office;
- [] was filed on ______ as U.S. Application No. _____;
- [] was patented under U.S. Patent No. ______on_____.

WHEREAS, EMC IP Holding Company LLC (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts and having a usual place of business at 176 South Street, Hopkinton, Massachusetts 01748 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey to ASSIGNEE all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein:

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the

giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals as set forth below:

PATENT/Joint Assignment EMC Docket No.: 115357.01; 170360-041100US

Date: 8/5/2019

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Inventor's Signature

Print full name of first inventor: Residence: Citizenship: Mailing Address; Radia Joy Perlman Redmond, WA U.S. c/o EMC IP Holding Company LLC 176 South Street Hopkinton, Massachusetts 01748

PATENT/Joint Assignment EMC Docket No.: 115357.01: 170360-041100US

Date 8/5/2019

Cholis Math Inventor's Signature /

Print full name of second inventor: Residence: Citizenship: Mailing Address: Charles William Kaufman Redmond, WA U.S. c/o EMC IP Holding Company LLC 176 South Street Hopkinton, Massachusetts 01748