

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5329400

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
IP3 2017, SERIES 200 OF ALLIED SECURITY TRUST I	12/21/2018
RECEIVING PARTY DATA	
Name:	CRIA, INC.
Street Address:	1209 ORANGE STREET
Internal Address:	CORPORATION TRUST CENTER
City:	WILMINGTON
State/Country:	DELAWARE
Postal Code:	19801
PROPERTY NUMBERS Total: 15	
Property Type	Number
Patent Number:	7962932
Patent Number:	9763048
Patent Number:	9674665
Patent Number:	9641393
Patent Number:	9554248
Patent Number:	9515885
Patent Number:	9397890
Patent Number:	9338601
Patent Number:	9098723
Patent Number:	9092641
Patent Number:	8918398
Patent Number:	8825074
Patent Number:	8588819
Patent Number:	8495065
Patent Number:	8321509
CORRESPONDENCE DATA	
Fax Number:	(408)341-3098
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.	

PATENT

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ATTORNEY DOCKET NUMBER:	10191G000
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NAME OF SUBMITTER:	MICHAEL J. MALLIE, REG. NO. 36,591
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SIGNATURE:	/Michael J. Mallie/
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DATE SIGNED:	01/16/2019
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Total Attachments: 10

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EXHIBIT B

ASSIGNMENT OF PATENT RIGHTS

THIS ASSIGNMENT OF PATENT RIGHTS (the "Assignment") is executed, acknowledged and delivered by IP3 2017, Series 200 of Allied Security Trust I, a Delaware limited liability company, with its principal place of business at Attention: Jake Handy, Fenwick & West LLP, 555 California St., 12th Floor, San Francisco, CA 94104 ("Assignor"), in accordance with, and pursuant to the terms and conditions of the Patent Purchase Agreement having an Effective Date of December 2018 (the "Agreement") between Assignor, as Seller, and Cria, Inc., a Delaware corporation having a primary place of business at Corporation Trust Center, 1209 Orange Street, Wilmington, DE 19801 ("Assignee"). Capitalized terms used herein and not expressly defined shall have the meaning ascribed to such terms in the Agreement.

"Listed Patents" means the following provisional patent applications, patent applications, and patents:

IP3 Lot No.	Family No.	Patent/Publ. No.	Application No.	Status	Patent Title
5432	1	US6963863	US09407555	Patent	NETWORK TRADING AD LOCATOR SYSTEM AND METHOD
5902	1	US8451990/ US20100322394	US12456670	Patent	METHOD, SYSTEM AND APPARATUS FOR STORING VOICEMAIL
7873	1		US60147964	Expired	AUTOMATIC REFERRAL SYSTEM USING ELECTRONIC MESSAGING AND E-COMMERCE CAPABILITIES
7873	1		US09635994	Abandoned	Web based referrals with reward incentive
7873	1	US7774229	US11217871	Patent	METHODS OF ANTI-SPAM MARKETING THROUGH PERSONALIZED REFERRALS AND REWARDS
7873	1	WO2001011472	WOPCTUS2000021798	Expired	WEB BASED REFERRALS WITH REWARD INCENTIVE
7873	1		AU67629/00	Lapsed	WEB BASED REFERRALS WITH REWARD INCENTIVE
7896	1	US8463280	US12712777	Patent	HETEROGENEOUS MOBILE NETWORKING
7896	1		US61211280	Expired	Database assisted-wireless network

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IP3 Lot No.	Family No.	Patent/Publ. No.	Application No.	Status	Patent Title
7896	1		US61208577	Expired	Heterogeneous mobile networking
7896	1		US61166862	Expired	Data Structure For Optimum Wireless Network Selection
7896	1		US61166830	Expired	Method of Optimum Wireless Network Selection
7896	1		US12660339	Abandoned	HETEROGENEOUS MOBILE NETWORKING
8105	1	US9491298/ US20160112571	US14977510	Patent	System and Method for Processing a Voice Mail
8105	1	US9258426/ US20150072659	US14540069	Patent	System and Method for Processing a Voice Mail
8105	1	US8914003/ US20120202461	US13445884	Patent	System and Method for Processing a Voicemail
8105	1	US8249568/ US20070293272	US11455123	Patent	SYSTEM AND METHOD FOR PROCESSING A VOICE MAIL
8105	1	US20170034354	US15290617	Abandoned	System and Method for Processing a Voice Mail
8141	1	US9129036/ US20090216738	US12035607	Patent	Systems and Methods of Identifying Chunks Within Inter-Related Documents
8141	1	US8924421/ US20090216763	US12035587	Patent	Systems and Methods of Refining Chunks Identified Within Multiple Documents
8141	1	US8924374/ US20090216715	US12035597	Patent	Systems and Methods of Semantically Annotating Documents of Different Structures
8141	1	US8751484/ US20120226675	US13431907	Patent	Systems and Methods of Identifying Chunks within Multiple Documents

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IP3 Lot No.	Family No.	Patent/Publ. No.	Application No.	Status	Patent Title
8141	1	US8359533/ US20090217159	US12035574	Patent	SYSTEMS AND METHODS OF PERFORMING A TEXT REPLACEMENT WITHIN MULTIPLE DOCUMENTS
8141	1	US8352485/ US20120084321	US13316394	Patent	SYSTEMS AND METHODS OF DISPLAYING DOCUMENT CHUNKS IN RESPONSE TO A SEARCH REQUEST
8141	1	US8266155/ US20110191325	US13085652	Patent	SYSTEMS AND METHODS OF DISPLAYING AND RE-USING DOCUMENT CHUNKS IN A DOCUMENT DEVELOPMENT APPLICATION
8141	1	US8145632/ US20090216735	US12035541	Patent	SYSTEMS AND METHODS OF IDENTIFYING CHUNKS WITHIN MULTIPLE DOCUMENTS
8141	1	US8126880/ US20090216765	US12035600	Patent	SYSTEMS AND METHODS OF ADAPTIVELY SCREENING MATCHING CHUNKS WITHIN DOCUMENTS
8141	1	US8078630/ US20090216736	US12035546	Patent	SYSTEMS AND METHODS OF DISPLAYING DOCUMENT CHUNKS IN RESPONSE TO A SEARCH REQUEST
8141	1	US8001162/ US20090216764	US12035592	Patent	SYSTEMS AND METHODS OF PIPELINING MULTIPLE DOCUMENT NODE STREAMS THROUGH A QUERY PROCESSOR
8141	1	US8001140/ US20090216737	US12035560	Patent	SYSTEMS AND METHODS OF REFINING A SEARCH QUERY BASED ON USER-SPECIFIED SEARCH KEYWORDS
8141	1	US7937395/ US20090217168	US12035566	Patent	SYSTEMS AND METHODS OF DISPLAYING AND RE-USING DOCUMENT CHUNKS IN A DOCUMENT DEVELOPMENT APPLICATION
8141	1	US7933896/ US20090216790	US12035557	Patent	SYSTEMS AND METHODS OF SEARCHING A DOCUMENT FOR RELEVANT CHUNKS IN RESPONSE TO A SEARCH REQUEST
8141	1	WO2009105708	WOPCTUS2009034771	Expired	SYSTEMS AND METHODS OF IDENTIFYING CHUNKS WITHIN MULTIPLE DOCUMENTS
8141	1		CA2716345	Pending (abandoning)	SYSTEMS AND METHODS OF IDENTIFYING CHUNKS WITHIN MULTIPLE DOCUMENTS
8141	1	AU2009217352	AU2009217352	Ceased	SYSTEMS AND METHODS OF IDENTIFYING CHUNKS WITHIN MULTIPLE DOCUMENTS

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IP3 Lot No.	Family No.	Patent/Publ. No.	Application No.	Status	Patent Title
8141	1		AU2015202567	Lapsed	SYSTEMS AND METHODS OF IDENTIFYING CHUNKS WITHIN MULTIPLE DOCUMENTS
8141	1	EP2260417	EP097126437	Withdrawn	SYSTEMS AND METHODS OF IDENTIFYING CHUNKS WITHIN MULTIPLE DOCUMENTS
8141	1	HK1151869	HK111058480	Withdrawn	SYSTEMS AND METHODS OF IDENTIFYING CHUNKS WITHIN MULTIPLE DOCUMENTS
8149	1	US8117135/ US 2009-0299943	US12325422	Patent	CONCERNED INFORMATION RECOMMENDATION SYSTEM AND METHOD CONSIDERING USER'S WATCHING OR LISTENING TIME AND MAXIMUM PLAYING TIME OF CONTENTS
8149	1	KR100997028/ KR20090124629	KR1020080050947	Lapsed	CONCERNED INFORMATION RECOMMENDATION SYSTEM AND METHOD CONSIDERING USER'S WATCHING OR LISTENING TIME AND THE MAXIMUM PLAYING TIME OF THE CONTENTS
8233	1	US6788251/ US20040004570	US09848768	Patent	METHOD AND APPARATUS FOR INTERFERENCE REDUCTION IN A POSITIONING SYSTEM
8233	1	WO2001084745	WOPCTUS0114471	Expired	METHOD AND APPARATUS FOR INTERFERENCE REDUCTION
8233	1	EP1190508	EP019372218	Patent (Validated)	METHOD AND APPARATUS FOR INTERFERENCE REDUCTION
8233	1	FREP1190508	FREP019372218	Patent	METHOD AND APPARATUS FOR INTERFERENCE REDUCTION
8233	1		AU2001262978	Lapsed	Method and apparatus for interference reduction
8273	1		US60112769	Expired	METHOD OF PROVIDING DATABASE FUNCTIONS FOR MULTIPLE INTERNET SOURCES
8273	1		US60147875	Expired	EXTENDING BROWSER FUNCTIONALITY BEYOND BTML PAGE PRESENTATION
8273	1		US09465028	Abandoned	METHOD OF PROVIDING DATABASE FUNCTIONS FOR MULTIPLE INTERNET SOURCES

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IP3 Lot No.	Family No.	Patent/Publ. No.	Application No.	Status	Patent Title
8273	1	US6826553	US09715424	Patent	SYSTEM FOR PROVIDING DATABASE FUNCTIONS FOR MULTIPLE INTERNET SOURCES
8273	1	US8352423/ US20060004802	US10841216	Patent	APPARATUS AND METHOD FOR PROVIDING STREAMING DATA
8273	1	US20100275210	US12832994	Abandoned	Execution engine for business processes
8273	1	US20060095274	US10841220	Abandoned	Execution engine for business processes
8273	1		US12832981	Abandoned	System and method for providing database functions for multiple Internet sources
8273	1	US20110185273	US13005699	Abandoned	System and method for extracting content elements from multiple Internet sources
8273	1		CA2506225	Abandoned	APPARATUS AND METHOD FOR PROVIDING STREAMING DATA
8273	1		CA2506226	Abandoned	EXECUTION ENGINE FOR BUSINESS PROCESSES
8358	1	US8738711/ US20110106874	US12611725	Patent	SYSTEM AND METHOD FOR REDIRECTING CLIENT-SIDE STORAGE OPERATIONS
8358	1	US20140195599	US14180599	Abandoned	SYSTEM AND METHOD FOR REDIRECTING CLIENT-SIDE STORAGE OPERATIONS
8365	1	US7769767/ US20090089288 (see below row for reissue)	US11862835	Patent	SYSTEM AND METHOD FOR FILTERING CONTENT ON A MOBILE DEVICE BASED ON CONTEXTUAL TAGGING
8365	1	USRE45780	US13566232	Reissue	SYSTEM AND METHOD FOR FILTERING CONTENT ON A MOBILE DEVICE BASED ON CONTEXTUAL TAGGING
8365	1	CN101400166A	CN20081169852	Abandoned	SYSTEM AND METHOD FOR FILTERING CONTENT ON A MOBILE DEVICE BASED ON CONTEXTUAL TAGGING

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IP3 Lot No.	Family No.	Patent/Publ. No.	Application No.	Status	Patent Title
8418	1	US8732744/ US20110210981	US13105348	Patent	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS FOR PRESENTING A MESSAGE ON A DISPLAY BASED ON A TYPE OF VIDEO IMAGE DATA FOR PRESENTATION ON THE DISPLAY
8418	1	US7962932/ US20080074277	US11528072	Patent	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS FOR PRESENTING A MESSAGE ON A DISPLAY BASED ON A DISPLAY BASED ON VIDEO FRAME TYPES PRESENTED ON THE DISPLAY
8418	1	US20140240599	US14267368	Abandoned	Methods, Systems, And Computer Program Products For Presenting A Message On A Display Based On A Type Of Video Image Data For Presentation On The Display
8441	1		US61149205	Expired	MUSIC DIARIES
8441	1		US61227192	Expired	LOCATION BASED COMMUNICATION ADDRESSES
8441	1		US61236296	Expired	METHOD FOR ADVANCED, EVENT-DRIVEN SPATIAL CROWD FORMATION
8441	1	US9763048/ US20120046049	US12840579	Patent	SECONDARY INDICATIONS OF USER LOCATIONS AND USE THEREOF BY A LOCATION-BASED SERVICE
8441	1	US9674665/ US20160255474	US15149504	Patent	SYSTEM AND METHOD FOR AUTOMATED LOCATION-BASED WIDGETS
8441	1	US9641393/ US20160036639	US14816563	Patent	FORMING CROWDS AND PROVIDING ACCESS TO CROWD DATA IN A MOBILE ENVIRONMENT
8441	1	US9554248/ US20100198880	US12485082	Patent	MUSIC DIARY PROCESSOR
8441	1	US9515885/ US20130017843	US13613666	Patent	HANDLING CROWD REQUESTS FOR LARGE GEOGRAPHIC AREAS
8441	1	US9397890/ US20100198870	US12645556	Patent	SERVING A REQUEST FOR DATA FROM A HISTORICAL RECORD OF ANONYMIZED USER PROFILE DATA IN A MOBILE ENVIRONMENT
8441	1	US9338601/ US20140073359	US14077591	Patent	System And Method For Automated Location-Based Widgets

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IP3 Lot No.	Family No.	Patent/Publ. No.	Application No.	Status	Patent Title
8441	1	US9098723/ US20100198828	US12645532	Patent	FORMING CROWDS AND PROVIDING ACCESS TO CROWD DATA IN A MOBILE ENVIRONMENT
8441	1	US9092641/ US20140349679	US14457499	Patent	Modifying A User's Contribution To An Aggregate Profile Based On Time Between Location Updates And External Events
8441	1	US8918398/ US20130282723	US13919174	Patent	Maintaining A Historical Record Of Anonymized User Profile Data By Location For Users In A Mobile Environment
8441	1	US8825074/ US 2010-0197319	US12645544	Patent	MODIFYING A USER'S CONTRIBUTION TO AN AGGREGATE PROFILE BASED ON TIME BETWEEN LOCATION UPDATES AND EXTERNAL EVENTS
8441	1	US8588819/ US20130005360	US13608421	Patent	SYSTEM AND METHOD FOR AUTOMATED LOCATION-BASED WIDGETS
8441	1	US8495065/ US20100198826	US12645535	Patent	MAINTAINING A HISTORICAL RECORD OF ANONYMIZED USER PROFILE DATA BY LOCATION FOR USERS IN A MOBILE ENVIRONMENT
8441	1	US8321509/ US20100198862	US12645560	Patent	HANDLING CROWD REQUESTS FOR LARGE GEOGRAPHIC AREAS
8441	1	US8265658/ US20100197219	US12477275	Patent	SYSTEM AND METHOD FOR AUTOMATED LOCATION-BASED WIDGETS
8441	1	US8208943/ US20100197318	US12645539	Patent	ANONYMOUS CROWD TRACKING
8441	1	US20120135744	US12838634	Abandoned	SYSTEMS AND METHODS FOR GENERATING AND MANAGING COMMUNICATION RULES ASSOCIATED WITH GEOGRAPHIC LOCATIONS
8441	1	US20120066138	US12860252	Abandoned	USER AFFINITY CONCENTRATIONS AS SOCIAL TOPOGRAPHY
8441	1	US20120064919	US12859837	Abandoned	CROWD CREATION SYSTEM FOR AN AGGREGATE PROFILING SERVICE
8441	1	US20120041983	US12694551	Abandoned	SYSTEM AND METHOD FOR INFORMATION GATEKEEPER BASED ON AGGREGATE PROFILE DATA

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IP3 Lot No.	Family No.	Patent/Publ. No.	Application No.	Status	Patent Title
8441	1	US20120041672	US12698265	Abandoned	AUTOMATED SOCIAL ROUTING
8441	1	US20100198917	US12645546	Abandoned	CROWD FORMATION FOR MOBILE DEVICE USERS
8441	1	US20100198814	US12691008	Publication (abandoning)	SYSTEM AND METHOD FOR FILTERING AND CREATING POINTS-OF-INTEREST
8441	1	US20170339522	US15614543	Abandoned	System And Method For Automated Location-Based Widgets
8441	1		US15413358	Abandoned	
8441	1		US15583892	Abandoned	
8441	1		US15369747	Abandoned	
8450	1	US9392228/ US20120072611	US13216517	Patent	SYSTEM AND METHOD FOR ADAPTIVE SEGMENT PREFETCHING OF STREAMING MEDIA
8450	1	US8028081/ US20090292819	US12126169	Patent	SYSTEM AND METHOD FOR ADAPTIVE SEGMENT PREFETCHING OF STREAMING MEDIA
8450	1	CN101588493	CN20091142782	Withdrawn	SYSTEM AND METHOD FOR ADAPTIVE SEGMENT PREFETCHING OF STREAMING MEDIA
8455	1	US8676031	US13187774	Patent	LOCALITY-BASED VIDEO PLAYBACK TO ENABLE LOCALLY RELEVANT PRODUCT PLACEMENT ADVERTISING
8455	1	US7991269	US11611181	Patent	LOCALITY-BASED VIDEO PLAYBACK TO ENABLE LOCALLY RELEVANT PRODUCT PLACEMENT ADVERTISING
8499	1	US7707246	US11358970	Patent	CREATING A SOCIAL NETWORK AROUND RECORDED MEDIA

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IP3 Lot No.	Family No.	Patent/Publ. No.	Application No.	Status	Patent Title
8646	1	WO2007056707	WOPCTUS2006060553	Expired	PERSONAL AREA NETWORK HAVING MEDIA PLAYER AND MOBILE DEVICE CONTROLLING THE SAME
8646	1	US8145203/ US20110202636	US13096214	Patent	PERSONAL AREA NETWORK HAVING MEDIA PLAYER AND MOBILE DEVICE CONTROLLING THE SAME
8646	1	US7949333/ US20100297934	US12846109	Patent	PERSONAL AREA NETWORK HAVING MEDIA PLAYER AND MOBILE DEVICE CONTROLLING THE SAME
8646	1	US7787904/ US20070105588	US11270293	Patent* (See bottom of Schedule)	PERSONAL AREA NETWORK HAVING MEDIA PLAYER AND MOBILE DEVICE CONTROLLING THE SAME
8646	1	US20120178434	US13428049	Abandoned	PERSONAL AREA NETWORK HAVING MEDIA PLAYER AND MOBILE DEVICE CONTROLLING THE SAME
8646	1		Per WIPO, EP 6839716 listed, but no details available.	Withdrawn	
8648	1	US9485804	US14512750	Patent	HIGH-SPEED WAN TO WIRELESS LAN GATEWAY
8648	1	US8879567	US13329992	Patent** (see bottom of Schedule)	HIGH-SPEED WAN TO WIRELESS LAN GATEWAY
8648	1	US8102863	US11475360	Patent*** (see bottom of Schedule)	HIGH-SPEED WAN TO WIRELESS LAN GATEWAY
8648	1	US9832700/ US20170048778	US15338478	Patent	HIGH-SPEED WAN TO WIRELESS LAN GATEWAY

* US7787904 was subject to IPR's. Claims 5-6, 8-9, 11 and 19 remain valid.

** US8879567 was subject to IPR's. Claims 1-19, 22-23 and 26-34 remain valid

*** US8102863 was subject to IPR's. Claim 16 remains valid.

"Patents" means, all (a) Listed Patents; and the following to the extent that Assignor has any right, title and interest: (b) patents or patent applications (i) to which any of the Listed Patents claims priority, (ii) for which any of the Listed Patents forms a basis for priority, (iii) that were co-owned applications that incorporate by reference, or are incorporated by reference into, the Listed Patents, and/or (iv) which are subject to a terminal disclaimer with any of the Listed Patents; (c) reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, and registrations of any item in any of the foregoing categories (a) and (b);

(d) national (of any country of origin) and multinational patents, patent applications and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention and utility models; (e) rights provided by multinational treaties or conventions for any item in any of the foregoing categories (a) through (d); and (f) any items in any of the foregoing categories (b) through (d) whether or not expressly listed as Listed Patents and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid by ASSIGNEE to ASSIGNOR, the receipt and sufficiency of which hereby is acknowledged, Assignor agrees to and does hereby irrevocably sell, assign, transfer and convey unto said Assignee, and Assignee hereby accepts, all of Assignor's right, title, and interest (i) in and to the Patents, the same to be held and enjoyed by said Assignee for its own use, and for the use of its successors, assigns, or other legal representatives to the end of the term or terms for which said Patents may be granted as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made; (ii) in and to causes of action and enforcement rights for the Patents including all rights to pursue damages, injunctive relief and other remedies for past and future infringement of the Patents; and (iii) to apply in any and all countries for the world for patents; certificates of invention or other governmental grants for the Patents. Assignor also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents or certificates of invention which may be granted upon any of the Patents in the name of Assignee, as the assignee to the entire interest therein.

Notwithstanding anything to the contrary herein, Assignor is executing and delivering this Assignment in accordance with and subject to all of the terms and provisions of the Agreement. In the event of any conflict between the terms of this Assignment and those of the Agreement, the terms of the Agreement shall be controlling.

This Assignment shall be binding upon and shall inure to the benefit of the parties and their respective successors and assigns.

This Assignment shall be governed by, and construed in accordance with, the laws of the United States in respect to patent issues and in all other respects by the laws of the State of California, without giving effect to the conflict of laws rules thereof.

IN WITNESS WHEREOF, Assignor has caused this Assignment to be executed as of this 21st day of December 2018.

ASSIGNOR:

IP3 2017, Series 200 of Allied Security Trust I By:

Russell W. Binns, Jr.
Name: Russell W. Binns, Jr.
Title: CEO

NOTARIZATION MUST BE ON THIS PAGE

Subscribed and sworn to before me this 21 day of December, 2018.

(Notarial Seal)

Signature: Elizabeth A. Slover
Notary Public

WEST21624109.1

Elizabeth A Slover
26 **Notary Public**
New Jersey

My Commission Expires 7-15-22 PATENT
No. 2203437 REEL: 048082 FRAME: 0778

RECORDED: 01/16/2019